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ABSTRACT

The computer programs utilized in a systems approach to job placement and followup for students in the Bryan Independent School District, of Bryan Texas public high schools are presented in this document. The programs are for record update, delete, change format, followup summary, followup detail, roster, mailer, and nonvocational followup summary. A related document is available in this issue as VT 021 209. [Reproduced from best available copy.] (MF)

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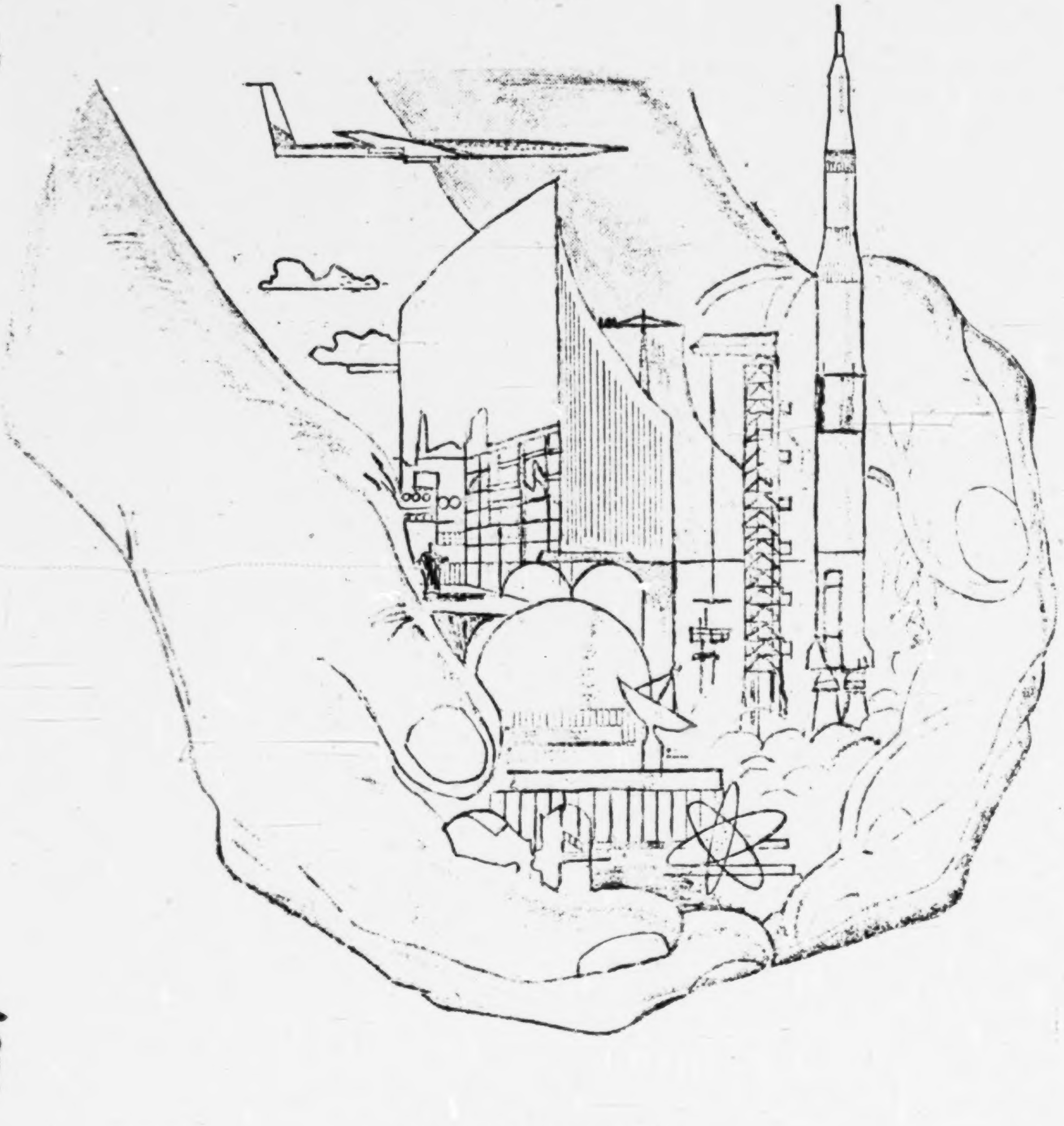
BRYAN INDEPENDENT SCHOOL DISTRICT
BRYAN, TEXAS
1973



VT 021 208

COMPUTER PROGRAMS
A SYSTEMS APPROACH TO PLACEMENT AND FOLLOW-UP
A COMPUTER MODEL

ED 080768

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A SYSTEMS APPROACH TO PLACEMENT AND FOLLOW-UP

A COMPUTER MODEL

Submitted to

THE DIVISION OF OCCUPATIONAL RESEARCH AND DEVELOPMENT

of the

TEXAS EDUCATION AGENCY

Under Contracts 29213 and 38065

by

Charles B. Jones

VOCATIONAL-TECHNICAL EDUCATION

BRYAN INDEPENDENT SCHOOL DISTRICT

1973

The following are the Computer Programs utilized in "A Systems Approach To Placement and Follow-Up--A Computer Model" developed by the Bryan Public Schools. The programs were developed in conjunction with Texas A&M University, Data Processing Center, College Station, Texas.

FOLLOW-UP COMPUTER PROGRAMS

1. UPDATE PROGRAM
2. DELETE PROGRAM
3. CHANGE RECORD FORMAT PROGRAM
4. FOLLOW-UP SUMMARY PROGRAM
5. FOLLOW-UP DETAIL PROGRAM
6. ROSTER PROGRAM
7. MAILER PROGRAM
8. NON-VOCATIONAL FOLLOW-UP SUMMARY PROGRAM

BRYAN PUBLIC SCHOOLS UPDATE PROGRAM

The purpose of this program is to change any existing active or follow-up records in any field (or card) and also to add new records to the system as they are needed.

To accomplish this a set of change cards (see Appendix A and B for the descriptions of change cards) are placed behind the program or JCL deck (see Appendix C). This complete deck is then loaded onto the computer through the card reader.

The program will sort the data cards into ID number order and then it will read the current master tape making changes and adding new records as it goes. The program writes a new master tape from the corrected student records.

The program will print any students record which has been changed or added in the format of the data cards.

If an update card is found for which there is no student record on the tape file, a message "NO MATCHING ID FOR CARD" and the corresponding change card will be printed.

If a change card specifies an active student but the record shows a follow-up format for that student the message "FIELD CODE ERROR" and the corresponding change card will be printed. Likewise if a change card shows a follow-up record and the tape file shows an active format the same message will print.

If an update field number is not one of those specified in Appendix A the message "FIELD CODE ERROR" and the corresponding change card will be printed.

If a new student card has a code other than 1, 2, 3, 4, 5, 6, 7, 8, 9 or A, B, C, D, E, F, G, H, I a message "CARD NUMBER ERROR" and the corresponding card will be printed.

If a replacement for a card in the current master file has a code other than 1, 2, 3, 4, 5, 6, 7, 8, 9 or A, B, C, D, E, F, G, H, I a message "ADD CARD ERROR" and the corresponding card will be printed.

If a new student record is built from less than 5 cards a message "INCOMPLETE STUDENT RECORD" will be printed but the record will be added to the new master file in any case.

A discussion of the course records needs to be made here. On an active student the course records will be numbered 5, 6, 7, 8, 9 and on the follow-up records whey will be numbered E, F, G, H, I. Because of the varying number of course records for each student special care must be taken for the course information. If any field needs to be changed in a course record that entire record must be replaced. For example if record G of a follow-up students record needs to be changed then a new record G card must be placed with the change cards.

Any course record card entering the program for a student with less records than that on his current record will be considered an add. For example if an active student has records 1, 2, 3, 4, 5, 6, on the current file (with 5 and 6 being course records) and a record 8 is entered with the change cards then the new student record will have the following cards; 1, 2, 3, 4, 5, 6, 7, 8 with record 7 being blank. A simular situation occurs for the follow-up student records.

This program gives the person using it the capability of changing every field and or every card of all students in the file, both active and follow-up, therefore it is his responsibility to insure the correctness of any change cards placed into the system.

COMPUTER PROGRAM FOR

UPDATING STUDENT MASTER FILE

WITH CHANGES, ADDITIONS OR DELETIONS

```
/[redacted]RI[redacted]OB[redacted]Z7,[redacted]B,C[redacted]D5,R[redacted]JCR[redacted]ST[redacted]TE[redacted]676[redacted]
***CLASS          A
// EXEC COBUCL
XXCOB     EXEC  PGM=IKFCBL00,REGION=110K                                    00020000
XXSYSPRINT  DD SYSOUT=A                                                     00040000
XXSYSPUNCH DD SYSOUT=B                                                      00060000
XXSYSUT1 DD UNIT=DISK,SPACE=(460,(700,100))                                 00080000
XXSYSUT2     DD UNIT=SYSDA,SPACE=(460,(700,100))                            00100000
XXSYSUT3     DD UNIT=SYSDA,SPACE=(460,(700,100))                            00120000
XXSYSUT4     DD UNIT=SYSDA,SPACE=(460,(700,100))                            00140000
XXSYSLIN     DD DSNAME=&&LOADSET,DISP=(MOD,PASS),UNIT=SYSDA,               X00160000
XX                 SPACE=(80,(900,100))                                     00180000
//COB.SYSIN DD *
IEF236I ALLOC. FOR JCRF90   COB
IEF237I 601    ALLOCATED TO SYSPRINT
IEF237I 630    ALLOCATED TO SYSPUNCH
IEF237I 251    ALLOCATED TO SYSUT1
IEF237I 250    ALLOCATED TO SYSUT2
IEF237I 251    ALLOCATED TO SYSUT3
IEF237I 250    ALLOCATED TO SYSUT4
IEF237I 251    ALLOCATED TO SYSLIN
IEF237I 651    ALLOCATED TO SYSIN
IEF285I    SYS72209.T164548.RV000.JCRF90.R0000001         DELETED
IEF285I    VOL SER NOS=      .
IEF285I    SYS72209.T164548.RV000.JCRF90.R0000002         DELETED
IEF285I    VOL SER NOS=      .
IEF285I    SYS72209.T164548.RV000.JCRF90.R0000003         DELETED
IEF285I    VOL SER NOS= 999999.
IEF285I    SYS72209.T164548.RV000.JCRF90.R0000004         DELETED
IEF285I    VOL SER NOS= 666666.
IEF285I    SYS72209.T164548.RV000.JCRF90.R0000005         DELETED
IEF285I    VOL SER NOS= 999999.
IEF285I    SYS72209.T164548.RV000.JCRF90.R0000006         DELETED
IEF285I    VOL SER NOS= 666666.
IEF285I    SYS72209.T164548.RV000.JCRF90.LOADSET          PASSED
IEF285I    VOL SER NOS= 999999.
IEF285I    SYS72209.T164548.RV000.JCRF90.R0000007         DELETED
IEF285I    VOL SER NOS=      .
TAM001I STEP /COB/ MAXIMUM CORE USED = 106K, EXECUTE TIME = 0.43
XXLKED       EXEC  PGM=IEWL,COND=(5,LT,COB),PARM='MAP,LIST',REGION=96K    00200000
XXSYSPRINT  DD SYSOUT=A                                                     00220000
//LKED.SYSLMOD DD DSN=USER.BHS.FOREHAND.JOBLIB(UPDATE),DISP=SHR
X/SYSLMOD   DD DSNAME=&&GODATA(RUN),DISP=(NEW,PASS),                       X00240000
XX                UNIT=SYSDA,SPACE=(1024,(100,20,1))                        00260000
XXSYSLIB    DD  DSN=SYS1.COBLIB,DISP=SHR                                    00280000
XX          DD  DSNAME=SYS1.OPCLIB,DISP=SHR                                 00300000
XX DD DSN=SYS1.COBLIB,DISP=SHR                                              00320000
XXSYSUT1 DD UNIT=DISK,SPACE=(1024,(50,20))                                  00340000
XXSYSLIN     DD DSNAME=&&LOADSET,DISP=(OLD,DELETE)                          00360000
XX           DD DDNAME=SYSIN                                                00380000
//
IEF236I ALLOC. FOR JCRF90   LKED
IEF237I 600    ALLOCATED TO SYSPRINT
IEF237I 256    ALLOCATED TO SYSLMOD
IEF237I 391    ALLOCATED TO SYSLIB
IEF237I 393    ALLOCATED TO
IEF237I 391    ALLOCATED TO
IEF237I 250    ALLOCATED TO SYSUT1
IEF237I 251    ALLOCATED TO SYSLIN
IEF285I    SYS72209.T164548.RV000.JCRF90.R0000008         DELETED
IEF285I    VOL SER NOS=      .
```

```
I[illegible]5 [illegible]ER.[illegible]FORE[illegible].JC[illegible]        KEPT
IEF285I   VOL SER NOS= RRRRRR.
IEF285I   SYS1.COBLIB                              KEPT
IEF285I   VOL SER NOS= SYSTST.
IEF285I   SYS1.CPCLIB                              KEPT
IEF285I   VOL SER NOS= 444444.
IEF285I   SYS1.COBLIB                              KEPT
IEF285I   VOL SER NOS= SYSTST.
IEF285I   SYS72209.T164548.RV000.JCRF90.R0000009    DELETED
IEF285I   VOL SER NOS= 666666.
IEF285I   SYS72209.T164548.RV000.JCRF90.LOADSET     DELETED
IEF285I   VOL SER NOS= 999999.
TAMC01I STEP /LKED/ MAXIMUM CORE USED = 94K, EXECUTE TIME = 0.16
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IDENTIFICATION DIVISION.
PROGRAM-ID. 'BRYANUP'.
AUTHOR.  JCRF.
DATE-WRITTEN. MARCH 1972.
INSTALLATION. TEXAS A & M UNIVERSITY.
ENVIRONMENT DIVISION.
CONFIGURATION SECTION.
SOURCE-COMPUTER. IBM-360-I65.
OBJECT-COMPUTER. IBM-360-I65.
INPUT-OUTPUT SECTION.
FILE-CONTROL.
    SELECT INPUT-CARDS ASSIGN TO UT-S-READER.
    SELECT PRINT-OUTS  ASSIGN TO UT-S-PRINTER.
    SELECT PRESORT-FILE ASSIGN TO UT-2314-S-SORTIN.
    SELECT POSTSRT-FILE ASSIGN TO UT-2314-S-SORTOUT.
    SELECT MAST-IN      ASSIGN TO UT-2400-S-MASTIN.
    SELECT MAST-OUT     ASSIGN TO UT-2400-S-MASTOUT.
    SELECT SORT-DISC    ASSIGN TO UT-2314-S-SORTIN.
DATA DIVISION.
FILE SECTION.
FD  INPUT-CARDS RECORDING MODE IS F LABEL RECORDS ARE OMITTED
    DATA RECORD IS INPUT-RECORD.
01  INPUT-RECORD.
    02  IN-X-TEST PICTURE X OCCURS 80 TIMES.
FD  PRINT-OUTS RECORDING MODE F LABEL RECORDS ARE OMITTED
             DATA RECORD IS PRINT-RECORD.
01  PRINT-RECORD PICTURE X(132).
FD  PRESORT-FILE RECORDING MODE F LABEL RECORDS ARE STANDARD
      BLOCK CONTAINS 0 RECORDS RECORD CONTAINS 80 CHARACTERS
      DATA RECORD IS SORTIN-RECORD.
01  SORTIN-RECORD PICTURE X(80).
FD  POSTSRT-FILE RECORDING MODE F LABEL RECORDS ARE STANDARD
      BLOCK CONTAINS 0 RECORDS RECORD CONTAINS 80 CHARACTERS
      DATA RECORD IS SORTOUT-RECORD.
01  SORTOUT-RECORD PICTURE X(80).
FD  MAST-IN RECORDING MODE F LABEL RECORDS ARE STANDARD
      BLOCK CONTAINS 0 RECORDS RECORD CONTAINS 650 CHARACTERS
      DATA RECORD IS MAST-IN-REC.
01  MAST-IN-REC PICTURE X(650).
FD  MAST-OUT RECORDING MODE F LABEL RECORDS ARE STANDARD
      BLOCK CONTAINS 0 RECORDS RECORD CONTAINS 650 CHARACTERS
      DATA RECORD IS  MAST-OUT-REC.
01  MAST-OUT-REC PICTURE X(650).
SD  SORT-DISC RECORDING MODE F RECORD CONTAINS 80 CHARACTERS
      DATA RECORD IS SORT-FIELDS.
01  SORT-FIELDS.
    02  FIELD-1                 PICTURE X(10).
    02  FIELD-2                 PICTURE XX.
    02  FIELD-3                 PICTURE X(62).
    02  FIELD-4                 PICTURE X(5).
    02  FIELD-5                 PICTURE X.
WORKING-STORAGE SECTION.
77  FIND-W-S  PICTURE X(60) VALUE 'BRYAN H S WORKING STORAGE '.
77  NO-READ     PICTURE  9(6) VALUE ZERO.
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77  NO-WRITTEN  PICTURE  9(6) VALUE ZERO.
77  NO-CHANGES  PICTURE  9(6) VALUE ZERO.
77  NO-ADDS     PICTURE  9(6) VALUE ZERO.
77  I           PICTURE  S99 COMPUTATIONAL VALUE ZERO.
77  J           PICTURE  S99 COMPUTATIONAL VALUE ZERO.
77  K           PICTURE  S99 COMPUTATIONAL VALUE ZERO.
77  L           PICTURE  S99 COMPUTATIONAL VALUE ZERO.
77  M           PICTURE  S99 COMPUTATIONAL VALUE ZERO.
77  N           PICTURE  S99 COMPUTATIONAL VALUE ZERO.
77  CHNG-EOF-FLG PICTURE 9 VALUE 0.
01  ACTIVITY-FLAG PICTURE X VALUE 'U'.
01  CHANGE-CARDS.
    02  ID-NO-1                  PICTURE X(9).
    02  ID-NO-2 REDEFINES ID-NO-1 PICTURE X OCCURS 9 TIMES.
    02  CARD-TYPE-1.
        03  CARD-CODE-1          PICTURE X.
        03  CRD-CD-X REDEFINES CARD-CODE-1 PICTURE 9.
        03  CARD-CHNG-1          PICTURE X(69).
        03  COL-80-1             PICTURE X.
    02  CARD-TYPE-2 REDEFINES CARD-TYPE-1.
        03  CARD-CODE-2          PICTURE X.
        03  UPDATE-CODE-3                      PICTURE 99.
        03  UPDATE-CODE-5 REDEFINES UPDATE-CODE-3.
            04  UPDATE-CODE-1 PICTURE X OCCURS 2 TIMES.
        03  FIELD-VAL            PICTURE X(62).
        03  DATE-OF-UPDATE       PICTURE X(6).
        03  DAT-OF-UP REDEFINES DATE-OF-UPDATE PICTURE X
                   OCCURS 6 TIMES.
01  STUDENT-RECORD.
    02  DELETE-CODE              PICTURE X.
    02  ID-NO-3                  PICTURE X(9).
    02  TYPE-CODE-1              PICTURE X.
    02  RECORD-TYPE-1.
        03  RECORD-BLOCK PICTURE X(69) OCCURS 9 TIMES.
    02  RECORD-TYPE-2 REDEFINES RECORD-TYPE-1.
        03  L-NAME-1             PICTURE X(12).
        03  F-NAME-1             PICTURE X(10).
        03  M-I-1                PICTURE X(01).
        03  EMPL-1               PICTURE X(01).
        03  OCC-1                PICTURE X(15).
        03  D-E-CODE-1           PICTURE X(07).
        03  JOB-TITLE-1          PICTURE X(13).
        03  HRS-DAY-1            PICTURE X(04).
        03  SALARY-1             PICTURE X(04).
        03  SEX-1                PICTURE X(01).
        03  RACE-1               PICTURE X(01).
        03  S-ADD-1              PICTURE X(21).
        03  S-CIT-1              PICTURE X(11).
        03  S-STA-1              PICTURE X(05).
        03  S-ZIP-1              PICTURE X(05).
        03  S-ARC-1              PICTURE X(03).
        03  S-PHN-1              PICTURE X(07).
        03  BIRTH-DATE-1         PICTURE X(06).
        03  DATE-REC-1           PICTURE X(06).
        03  CRS-CNT-1            PICTURE X(02).
        03  FILLER               PICTURE X(03).
        03  P-ADD-1              PICTURE X(21).
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                  03  P-CIT-1             PICTURE X(11).
                  03  P-STA-1             PICTURE X(05).
                  03  P-ZIP-1             PICTURE X(05).
                  03  P-ARC-1             PICTURE X(03).
                  03  P-PHN-1             PICTURE X(07).
                  03  REMARK-1            PICTURE X(17).
                  03  E-ADD-1             PICTURE X(21).
                  03  E-CIT-1             PICTURE X(11).
                  03  E-STA-1             PICTURE X(05).
                  03  E-ZIP-1             PICTURE X(05).
                  03  E-ARC-1             PICTURE X(03).
                  03  E-PHN-1             PICTURE X(07).
                  03  E-NAM-1             PICTURE X(17).
                  03  CRS-RECORDS OCCURS 5 TIMES.
                      04  VOC-CRS-1       PICTURE X(04).
                      04  O-E-COD-2       PICTURE X(07).
                      04  HRS-CRS-1       PICTURE X(04).
                      04  SCH-ATT-1       PICTURE X(03).
                      04  GRADE-1         PICTURE X(02).
                      04  VOC-TEACH-1     PICTURE X(17).
                      04  DATE-ENT-1      PICTURE X(04).
                      04  DATE-EXIT-1     PICTURE X(04).
                      04  REASON-EXIT-1   PICTURE X(04).
                      04  REMARK-2        PICTURE X(20).
              02  RECORD-TYPE-3 REDEFINES RECORD-TYPE-1.
                  03  L-NAME-2            PICTURE X(12).
                  03  F-NAME-2            PICTURE X(10).
                  03  M-I-2               PICTURE X(01).
                  03  EMPL-2              PICTURE X(01).
                  03  OCC-2               PICTURE X(15).
                  03  O-E-CODE-2          PICTURE X(07).
                  03  JOB-TITLE-2         PICTURE X(12).
                  03  HRS-DAY-2           PICTURE X(05).
                  03  SALARY-2            PICTURE X(04).
                  03  SEX-2               PICTURE X(01).
                  03  RACE-2              PICTURE X(01).
                  03  L-NAME-3            PICTURE X(12).
                  03  F-NAME-3            PICTURE X(10).
                  03  M-I-3               PICTURE X(01).
                  03  SALARY-3            PICTURE X(04).
                  03  NO-OF-EMPL-2        PICTURE X(03).
                  03  YEAR-OF-1ST-ENTRY   PICTURE X(02).
                  03  REMARK-3            PICTURE X(35).
                  03  CRS-CNT-2           PICTURE X(02).
                  03  S-ADD-2             PICTURE X(21).
                  03  S-CIT-2             PICTURE X(11).
                  03  S-STA-2             PICTURE X(05).
                  03  S-ZIP-2             PICTURE X(05).
                  03  S-ARC-2             PICTURE X(03).
                  03  S-PHN-2             PICTURE X(07).
                  03  BIRTH-DATE-2        PICTURE X(06).
                  03  DATE-REC-2          PICTURE X(06).
                  03  STEP-ENCR-2         PICTURE X(01).
                  03  FILLER              PICTURE X(04).
                  03  E-ADD-2             PICTURE X(21).
                  03  E-CIT-2             PICTURE X(11).
                  03  E-STA-2             PICTURE X(05).
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           03  E-ZIP-2            PICTURE X(C5).
           03  E-ARC-2            PICTURE X(03).
           03  E-PHN-2            PICTURE X(C7).
           03  E-NAM-2            PICTURE X(17).
           03  CRS-RECORDS-2 OCCURS 5 TIMES.
               04  VOC-CRS-2        PICTURE X(C4).
               04  D-E-COD-3        PICTURE X(L7).
               04  HRS-CRS-2        PICTURE X(C4).
               04  SCT-ATT-2        PICTURE X(C3).
               04  GRADE-2          PICTURE X(02).
               04  VCC-TEACH-2      PICTURE X(17).
               04  DATE-EXIT-2      PICTURE X(04).
               04  REASON-EXIT-2    PICTURE X(C4).
               04  VOC-Y-N-2        PICTURE X(01).
               04  HRS-COMPL-2      PICTURE X(04).
               04  PER-CEN-COM-2    PICTURE X(03).
               04  POST-EXIT-ACT-2  PICTURE X(C4).
               04  DATE-ENT-2       PICTURE X(C4).
               04  FILLER           PICTURE X(C8).
       01  TEMP-SAVE PICTURE X(650).
       01  REDEF-FIELDS.
           02  REDEF-1 PICTURE XX.
           02  REDEF-2 REDEFINES REDEF-1 PICTURE 99.
           C2  REDEF-3 REDEFINES REDEF-1 PICTURE X OCCURS 2 TIMES.
       01  NAME-FIELDS.
           02  L-N-X.
               03  L-N-Y PICTURE X OCCURS 13 TIMES.
           02  F-N-X.
               03  F-N-X PICTURE X OCCURS 11 TIMES.
       01  ERROR-FLAG PICTURE 9 VALUE ZERO.
       PROCEDURE CIVISICN.
       START-PROGRAM.
           CALL 'SPIE'.
           OPEN INPUT INPUT-CARDS.
           OPEN OUTPUT PRESORT-FILE.
       TEST-UPDATES-LOOP.
           MOVE 0 TO ERROR-FLAG.
           READ INPUT-CARDS INTO SORTIN-RECORD AT END GO TO SORT-EM.
           IF ERROR-FLAG = 1 DISPLAY ' THIS CARD IN ERROR ',
             INPUT-RECORD GO TO TEST-UPDATES-LOOP.
           WRITE SORTIN-RECORD.
           GO TO TEST-UPDATES-LOOP.
       SORT-EM.
           CLOSE INPUT-CARDS.
           CLOSE PRESORT-FILE.
           SORT SORT-DISC ASCENDING FIELD-1 FIELD-5 FIELD-4 FIELD-2
               USING PRESORT-FILE GIVING POSTSRT-FILE.
           OPEN INPUT POSTSRT-FILE.
           OPEN INPUT MAST-IN.
           OPEN OUTPUT MAST-CUT.
           MOVE '0' TO ACTIVITY-FLAG..
           READ MAST-IN INTO STUDENT-RECORD AT END GO TO LAST-IN.
           ADD 1  TO NO-READ.
       READ-CHNG-FILE.
           READ POSTSRT-FILE INTO CHANGE-CARDS AT END GO TO LAST-CHNG.
       COMPARE-ID-NOS.
           IF ID-NO-1   ID-NO-3 GO TO NEXT-RECORD-MAST.
```

```
    IF ID-NO-1 = ID-NO-3 GO TO EQUAL-ID-NO.
    IF COL-80-1 = ' ' GO TO NEW-STUD-ENTRY.
    DISPLAY ' NO MATCHING ID FOR THIS CARD ', CHANGE-CARDS.
    GO TO READ-CHNG-FILE.
NEXT-RECORD-MAST.
    ADD 1 TO NO-WRITTEN.
    WRITE MAST-OUT-REC FROM STUDENT-RECORD.
    IF ACTIVITY-FLAG = '1' PERFORM DISPLAY-CHNGD-REC.
DELETE-READ-SPOT.
    MOVE '0' TO ACTIVITY-FLAG.
    READ MAST-IN INTO STUDENT-RECORD AT END GO TO LAST-IN-2.
    ADD 1 TO NO-READ.
    GO TO COMPARE-ID-NOS.
DELETE-RECORD-X.
    DISPLAY ' RECORD DELETED ', ID-NO-3, ' ',
      RECORD-BLOCK (1).
    GO TO  DELETE-READ-SPOT.
NEW-STUD-ENTRY.
    MOVE STUDENT-RECORD TO TEMP-SAVE.
    MOVE ' ' TO STUDENT-RECORD.
    PERFORM NEW-STUD.
    MOVE TEMP-SAVE TO STUDENT-RECORD.
    IF CHNG-EOF-FLG = 1 GO TO LAST-CHNG.
    GO TO COMPARE-ID-NOS.
EQUAL-ID-NO.
    MOVE '1' TO ACTIVITY-FLAG.
    IF COL-80-1 = ' ' GO TO CARD-REPLACEMENT.
    ADD 1 TO NO-CHANGES.
    IF UPDATE-CODE-3 )  1 GO TO FIELD-CODE-ERR.
    IF TYPE-CODE-1 = '2' GO TO FOLLOW-UP-CHNG.
    IF CARD-CODE-1 = '2' GO TO FIELD-CODE-ERR.
    IF UPDATE-CODE-3 = 99 GO TO DELETE-RECORD-X.
    IF UPDATE-CODE-3   35 GO TO FIELD-CODE-ERR.
    GO TO A-01, A-02, A-03, A-04, A-05, A-06, A-07, A-08, A-09,
      A-10, A-11, A-12, A-13, A-14, A-15, A-16, A-17, A-18,
      A-19, A-20, A-21, A-22, A-23, A-24, A-25, A-26, A-27,
      A-28, A-29, A-30, A-31, A-32, A-33, A-34, A-35
            DEPENDING ON UPDATE-CODE-3.
ERR-GO-TO.
    DISPLAY ' PROGRAM ERROR ', CHANGE-CARDS.
OUT.
    GO TO READ-CHNG-FILE.
FIELD-CODE-ERR.
    DISPLAY ' FIELD CODE ERROR ', CHANGE-CARDS.
    GO TO OUT.
FOLLOW-UP-CHNG.
    IF CARD-CODE-1 = '1' GO TO FIELD-CODE-ERR.
    IF UPDATE-CODE-3 = 99 GO TO DELETE-RECORD-X.
    IF UPDATE-CODE-3   36   GO TO FIELD-CODE-ERR.
    GO TO F-01, F-02, F-03, F-04, F-05, F-06, F-07, F-08, F-09,
      F-10, F-11, F-12, F-13, F-14, F-15, F-16, F-17, F-18,
      F-19, F-20, F-21, F-22, F-23, F-24, F-25, F-26, F-27,
      F-28, F-29, F-30, F-31, F-32, F-33, F-34, F-35, F-36
            DEPENDING ON UPDATE-CODE-3.
    GO TO ERR-GO-TO.
A-01.
    MOVE FIELD-VAL TO L-NAME-1       GO TO OUT.
```

```
       A-02.
           MOVE FIELD-VAL TO F-NAME-1       GO TO OUT.
       A-03.
           MOVE FIELD-VAL TO M-I-1          GO TO OUT.
       A-04.
           MOVE FIELD-VAL TO EMPL-1         GO TO OUT.
       A-05.
           MOVE FIELD-VAL TO OCC-1          GO TO OUT.
       A-06.
           MOVE FIELD-VAL TO O-E-CODE-1     GO TO OUT.
       A-07.
           MOVE FIELD-VAL TO JOB-TITLE-1    GO TO OUT.
       A-08.
           MOVE FIELD-VAL TO HRS-DAY-1      GO TO OUT.
       A-09.
           MOVE FIELD-VAL TO SALARY-1       GO TO OUT.
       A-10.
           MOVE FIELD-VAL TO SEX-1          GO TO OUT.
       A-11.
           MOVE FIELD-VAL TO RACE-1         GO TO OUT.
       A-12.
           MOVE FIELD-VAL TO S-ADD-1        GO TO OUT.
       A-13.
           MOVE FIELD-VAL TO S-CIT-1        GO TO OUT.
       A-14.
           MOVE FIELD-VAL TO S-STA-1        GO TO OUT.
       A-15.
           MOVE FIELD-VAL TO S-ZIP-1        GO TO OUT.
       A-16.
           MOVE FIELD-VAL TO S-ARC-1        GO TO OUT.
       A-17.
           MOVE FIELD-VAL TO S-PHN-1        GO TO OUT.
       A-18.
           MOVE FIELD-VAL TO BIRTH-DATE-1   GO TO OUT.
       A-19.
           MOVE FIELD-VAL TO DATE-REC-1     GO TO OUT.
       A-20.
           GO TO FIELD-CODE-ERR.
       A-21.
           GO TO FIELD-CODE-ERR.
       A-22.
           MOVE FIELD-VAL TO P-ADD-1   GO TO OUT.
       A-23.
           MOVE FIELD-VAL TO P-CIT-1   GO TO OUT.
       A-24.
           MOVE FIELD-VAL TO P-STA-1   GO TO OUT.
       A-25.
           MOVE FIELD-VAL TO P-ZIP-1   GO TO OUT.
       A-26.
           MOVE FIELD-VAL TO P-ARC-1   GO TO OUT.
       A-27.
           MOVE FIELD-VAL TO P-PHN-1   GO TO OUT.
       A-28.
           MOVE FIELD-VAL TO REMARK-1  GO TO OUT.
       A-29.
           MOVE FIELD-VAL TO E-ADD-1   GO TO OUT.
       A-30.
```

```
           MOVE FIELD-VAL TO E-CIT-1   GO TO OUT.
       A-31.
           MOVE FIELD-VAL TO E-STA-1   GO TO OUT.
       A-32.
           MOVE FIELD-VAL TO E-ZIP-1   GO TO OUT.
       A-33.
           MOVE FIELD-VAL TO E-ARC-1   GO TO OUT.
       A-34.
           MOVE FIELD-VAL TO E-PHN-1   GO TO OUT.
       A-35.
           MOVE FIELD-VAL TO E-NAM-1   GO TO OUT.
       F-01.
           GO TO A-01.
       F-02.
           GO TO A-02.
       F-03.
           GO TO A-03.
       F-04.
           GO TO A-04.
       F-05.
           GO TO A-05.
       F-06.
           GO TO A-06.
       F-07.
           MOVE FIELD-VAL TO JOB-TITLE-2 GO TO OUT.
       F-08.
           MOVE FIELD-VAL TO HRS-DAY-2 GO TO OUT.
       F-09.
           GO TO A-09.
       F-10.
           GO TO A-10.
       F-11.
           GO TO A-11.
       F-12.
           MOVE FIELD-VAL TO L-NAME-3             GO TO OUT.
       F-13.
           MOVE FIELD-VAL TO F-NAME-3             GO TO OUT.
       F-14.
           MOVE FIELD-VAL TO M-I-3                GO TO OUT.
       F-15.
           MOVE FIELD-VAL TO SALARY-3             GO TO OUT.
       F-16.
           MOVE FIELD-VAL TO NO-OF-EMPL-2         GO TO OUT.
       F-17.
           MOVE FIELD-VAL TO YEAR-OF-1ST-ENTRY    GO TO OUT.
       F-18.
           MOVE FIELD-VAL TO REMARK-3             GO TO OUT.
       F-19.
           GO TO FIELD-CODE-ERR.
       F-20.
           MOVE FIELD-VAL TO S-ADD-2              GO TO OUT.
       F-21.
           MOVE FIELD-VAL TO S-CIT-2              GO TO OUT.
       F-22.
           MOVE FIELD-VAL TO S-STA-2              GO TO OUT.
       F-23.
           MOVE FIELD-VAL TO S-ZIP-2              GO TO OUT.
```

```
F-24.
    MOVE FIELD-VAL TO S-ARC-2            GC TO CUT.
F-25.
    MOVE FIELD-VAL TO S-PHN-2            GC TO CUT.
F-26.
    MOVE FIELD-VAL TO BIRTH-DATE-2   GO TO OUT.
F-27.
    MOVE FIELD-VAL TO DATE-REC-2     GO TO OUT.
F-28.
    MOVE FIELD-VAL TO STEP-ENCR-2    GO TO OUT.
F-29.
    GO TO A-21.
F-30.
    GO TO A-29.
F-31.
    GO TO A-30.
F-32.
    GO TO A-31.
F-33.
    GO TO A-32.
F-34.
    GO TO A-33.
F-35.
    GO TO A-34.
F-36.
    MOVE FIELD-VAL TO E-NAM-2  GO TO OUT.
CARD-REPLACEMENT.
     IF TYPE-CODE-1 = '2' GO TO FOLL-UP-REPL.
     IF CARD-CODE-1 ) 1 GO TO FIELD-CODE-ERR.
     IF CARD-CODE-2   9 GO TO FIELD-CODE-ERR.
     MOVE CRS-CNT-1 TO REDEF-2.
     ADD 4 TO REDEF-2.
     MOVE CARD-CHNG-1 TO RECORD-BLOCK (CRD-CD-X).
     IF CRD-CD-X   REDEF-2 MOVE CRD-CD-X TO REDEF-2.
     SUBTRACT 4 FROM REDEF-2.
     MOVE REDEF-2 TO CRS-CNT-1.
     GO TO OUT.
FOLL-UP-REPL.
     IF CARD-CODE-1 = 'A' MOVE 1 TO J GO TO GOOD-REPL-F-U.
     IF CARD-CODE-1 = 'B' MOVE 2 TO J GO TO GOOD-REPL-F-U.
     IF CARD-CODE-1 = 'C' MOVE 3 TO J GO TO GOOD-REPL-F-U.
     IF CARD-CODE-1 = 'D' MOVE 4 TO J GO TO GOOD-REPL-F-U.
     IF CARD-CODE-1 = 'E' MOVE 5 TO J GO TO GOOD-REPL-F-U.
     IF CARD-CODE-1 = 'F' MOVE 6 TO J GO TO GOOD-REPL-F-U.
     IF CARD-CODE-1 = 'G' MOVE 7 TO J GO TO GOOD-REPL-F-U.
     IF CARD-CODE-1 = 'H' MOVE 8 TO J GO TO GOOD-REPL-F-U.
     IF CARD-CODE-1 = 'I' MOVE 9 TO J GO TO GOOD-REPL-F-U.
     GO TO FIELD-CODE-ERR.
GOOD-REPL-F-U.
     MOVE CRS-CNT-2 TO REDEF-2.
     ADD 4 TO REDEF-2.
     MOVE CARD-CHNG-1 TO RECORD-BLOCK (J).
     IF J          REDEF-2 MOVE J        TO REDEF-2.
     SUBTRACT 4 FROM REDEF-2.
     MOVE REDEF-2 TO CRS-CNT-2.
     GO TO OUT.
LAST-IN.
```

```
           IF CHNG-EOF-FLG = 1 GO TO NO-MO.
           READ POSTSRT-FILE INTO CHANGE-CARDS AT END GO TC NO-MO.
       LAST-IN-2.
           IF CHNG-EOF-FLG = 1 GO TO NO-MO.
           IF COL-80-1 NOT = ' ' DISPLAY ' NO MATCHING ID FOR CARD ',
              CHANGE-CARDS GO TO LAST-IN.
           MOVE ' ' TO STUDENT-RECORD.
           PERFORM NEW-STUD.
           GO TO LAST-IN-2.
       LAST-CHNG.
           WRITE MAST-OUT-REC FROM STUDENT-RECORD.
           IF ACTIVITY-FLAG = '1' PERFORM DISPLAY-CHNGD-REC.
           ADD 1 TO NO-WRITTEN.
           MOVE '0' TO ACTIVITY-FLAG.
           READ MAST-IN INTO STUDENT-RECORD AT END GO TO NC-MO.
           ADD 1 TO NO-READ.
           GO TO LAST-CHNG.
       NO-MO.
           CLOSE MAST-IN WITH LOCK.
           CLOSE MAST-OUT WITH LOCK.
           CLOSE POSTSRT-FILE.
           DISPLAY ' NUMBER READ ', NO-READ.
           DISPLAY ' NUMBER WROTE ', NO-WRITTEN.
           DISPLAY ' NUMBER CHANGES', NO-CHANGES.
           DISPLAY ' NUMBER ADDS   ',  NO-ADDS.
           STOP RUN.
       NEW-STUD SECTION.
           MOVE ZERO TO K, L.
           IF CARD-CODE-1 = '1' GO TO ACTIVE-ADD.
           IF CARD-CODE-1 = '2' GO TO ACTIVE-ADD.
           IF CARD-CODE-1 = '3' GO TO ACTIVE-ADD.
           IF CARD-CODE-1 = '4' GO TO ACTIVE-ADD.
           IF CARD-CODE-1 = '5' GO TO ACTIVE-ADD.
           IF CARD-CODE-1 = '6' GO TO ACTIVE-ADD.
           IF CARD-CODE-1 = '7' GO TO ACTIVE-ADD.
           IF CARD-CODE-1 = '8' GO TO ACTIVE-ADD.
           IF CARD-CODE-1 = '9' GO TO ACTIVE-ADD.
           IF CARD-CODE-1 = 'A' MOVE 1 TO J GO TO FOLLOW-UP-ADD.
           IF CARD-CODE-1 = 'B' MOVE 2 TO J GO TO FOLLOW-UP-ADD.
           IF CARD-CODE-1 = 'C' MOVE 3 TO J GO TO FOLLOW-UP-ADD.
           IF CARD-CODE-1 = 'D' MOVE 4 TO J GO TO FOLLOW-UP-ADD.
           IF CARD-CODE-1 = 'E' MOVE 5 TO J GO TO FOLLOW-UP-ADD.
           IF CARD-CODE-1 = 'F' MOVE 6 TO J GO TO FOLLOW-UP-ADD.
           IF CARD-CODE-1 = 'G' MOVE 7 TO J GO TO FOLLOW-UP-ADD.
           IF CARD-CODE-1 = 'H' MOVE 8 TO J GO TO FOLLOW-UP-ADD.
           IF CARD-CODE-1 = 'I' MOVE 9 TO J GO TO FOLLOW-UP-ADD.
           DISPLAY ' ADD CARD ERROR ', CHANGE-CARDS.
           READ POSTSRT-FILE INTO CHANGE-CARDS AT END
           MOVE 1 TO CHNG-EOF-FLG.
           GO TO N-S-EXIT.
        ACTIVE-ADD.
           ADD 1 TO K.
           IF L = 1 AND CRD-CD-X = 5 ADD 1 TO CRD-CD-X.
           MOVE CARD-CHNG-1 TO RECORD-BLOCK (CRD-CD-X).
           MOVE ID-NO-1 TO ID-NO-3.
           MOVE '1' TC TYPE-CODE-1.
           IF CRD-CD-X  4 ADD 1 TO L.
```

```
READ-SPOT-X.
    READ POSTSRT-FILE INTO CHANGE-CARDS AT END GO TC ACT-EOF-XIT.
    IF COL-80-1 NOT = ' ' GO TO ACT-ADD-XIT.
    IF ID-NO-1 NOT = ID-NO-3 GO TO ACT-ADD-XIT.
    IF CARD-CODE-1 ) '1' GO TO ADD-ERR-1.
    IF CARD-CODE-1   '9' GO TO ADD-ERR-1.
    GO TO ACTIVE-ADD.
ADD-ERR-1.
    DISPLAY ' CARD NUMBER ERROR ', CHANGE-CARDS.
    GO TO READ-SPOT-X.
ACT-EOF-XIT.
    MOVE 1 TO CHNG-EOF-FLG.
ACT-ADD-XIT.
    MOVE L TO REDEF-2.
    MOVE REDEF-1 TO CRS-CNT-1.
    IF K ) 5 DISPLAY ' INCOMPLETE STUDENT RECORD ',
            STUDENT-RECORD.
    GO TO N-S-WRITE-1.
FOLLOW-UP-ADD.
    ADD 1 TO K.
    IF L = 1 AND J = 5 ADD 1 TO J.
    MOVE CARD-CHNG-1 TO RECORD-BLOCK (J).
    MOVE ID-NO-1 TO ID-NO-3.
    MOVE '2' TC TYPE-CODE-1.
    IF J   4 ADD 1 TO L.
READ-SPOT-Z.
    READ POSTSPT-FILE INTO CHANGE-CARDS AT END GO TC F-U-ECF-XIT.
    IF COL-80-1 NOT = ' ' GO TO F-U-ADD-XIT.
    IF ID-NO-1 NOT = ID-NO-3 GO TO F-U-ADD-XIT.
    IF CARD-CODE-1 = 'A' MOVE 1 TO J GO TO FOLLOW-UP-ADD.
    IF CARD-CODE-1 = 'B' MOVE 2 TO J GO TO FOLLOW-UP-ADD.
    IF CARD-CODE-1 = 'C' MOVE 3 TO J GO TO FOLLOW-UP-ADD.
    IF CARD-CODE-1 = 'D' MOVE 4 TO J GO TO FOLLOW-UP-ADD.
    IF CARD-CODE-1 = 'E' MOVE 5 TO J GO TO FOLLOW-UP-ADD.
    IF CARD-CODE-1 = 'F' MOVE 6 TO J GO TO FOLLOW-UP-ADD.
    IF CARD-CODE-1 = 'G' MOVE 7 TO J GO TO FOLLOW-UP-ADD.
    IF CARD-CODE-1 = 'H' MOVE 8 TO J GO TO FOLLOW-UP-ADD.
    IF CARD-CODE-1 = 'I' MOVE 9 TO J GO TO FOLLOW-UP-ADD.
    DISPLAY ' CARD NUMBER ERROR ', CHANGE-CARDS.
    GO TO READ-SPOT-Z.
F-U-EOF-XIT.
    MOVE 1 TO CHNG-EOF-FLG.
F-U-ADD-XIT.
    MOVE L TO REDEF-2.
    MOVE REDEF-1 TC CRS-CNT-2.
    IF K ) 5  DISPLAY ' INCOMPLETE STUDENT RECORD ',
           STUDENT-RECORD.
    GO TO N-S-WRITE-1.
DISPLAY-CHNGD-REC.
    IF TYPE-CODE-1 = '1' PERFORM ACT-STU-DISPLAY
      OTHERWISE PERFORM F-U-STU-DISPLAY.
    MOVE L TO L.
ACT-STU-DISPLAY.
    DISPLAY ID-NO-3, '1', RECORD-BLOCK (1).
    DISPLAY '          2', RECORD-BLOCK (2).
    DISPLAY '          3', RECORD-BLOCK (3).
    DISPLAY '          4', RECORD-BLOCK (4).
```

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           DISPLAY '          5', RECORD-BLOCK (5).
           DISPLAY '          6', RECORD-BLOCK (6).
           DISPLAY '          7', RECORD-BLOCK (7).
           DISPLAY '          8', RECORD-BLOCK (8).
           DISPLAY '          9', RECORD-BLOCK (9).
       F-U-STU-DISPLAY.
           DISPLAY ID-NO-3, 'A', RECORD-BLOCK (1).
           DISPLAY '          B', RECORD-BLOCK (2).
           DISPLAY '          C', RECORD-BLOCK (3).
           DISPLAY '          D', RECORD-BLOCK (4).
           DISPLAY '          E', RECORD-BLOCK (5).
           DISPLAY '          F', RECORD-BLOCK (6).
           DISPLAY '          G', RECORD-BLOCK (7).
           DISPLAY '          H', RECORD-BLOCK (8).
           DISPLAY '          I', RECORD-BLOCK (9).
       N-S-WRITE-1.
           ADD 1 TO NO-ADDS.
                                   PERFORM DISPLAY-CHNGD-REC.
           WRITE MAST-OUT-REC FROM STUDENT-RECORD.
           ADD 1 TO NO-WRITTEN.
       N-S-EXIT.
           EXIT.
       STOPPING-SECTION SECTION.
           DISPLAY ' STOPPING SECTION '.
```

```
*STATISTICS*     SOURCE RECORDS =   591     DATA DIVISION STATEMENTS =   165     PROCEDURE DIVISION STATEMENTS =   433
*OPTIONS IN EFFECT*     SIZE =  102400  BUF =     7882  LINECNT = 57  SPACE1, FLAGW,    SEQ,    SOURCE
*OPTIONS IN EFFECT*     NODMAP, NOPMAP, NOCLIST,    SUPMAP, NOXREF,    LOAD, NODECK, APOST, NOTRUNC, NOLIB, NOVERB
*OPTIONS IN EFFECT*       ZWB
```

```
-L    LIN    LD    OPT    S SP    IED    ,LI
      DEFAULT CPTION(S) USED -  SIZE=(92160,20480)

                                        MODULE MAP

  CONTROL SECTION                  ENTRY

    NAME    ORIGIN  LENGTH           NAME    LOCATION    NAME    LOCATION    NAME    LOCATION    NAME    LOCATION

  BRYANUP       00    2F5A
  ILBODSPO*   2F60     6F8
  ILBOSRTO*   3658     3D4
  ILBOSTPO*   3A30      35
                                   ILBOSTP1    3A46
  SPIE    *   3A68     564

 ENTRY ADDRESS      00
 TOTAL LENGTH     3FD0

****UPDATE    NOW REPLACED IN DATA SET
```

COMPUTER PROGRAM FOR

PRINTING A LISTING OF

MASTER STUDENT FILE

```
                          H A S P   S  S T E M   L O G

                                26 JAN 73.026

$ 10.47.13 JOB 229 JCRF91    I2 D
 *10.47.30 JOB 229 IEF233A M 285,000255,,JCRF91,ONESTEP,BHSMST
L*10.47.44 JOB 229 IEC130I USERLIB  DD STATEMENT MISSING
L*10.48.30 JOB 229 IEC130I DATCHECK DD STATEMENT MISSING
 *10.56.14 JOB 229 IEC209I JCRF91    000255 285 TR=000,TW=000,EG=000,CL=000,N=000,SID=00282
 *10.56.24 JOB 229 IEF280E K 285,000255,JCRF91,ONESTEP,BHSMST

*******************************************************************************

                    FACULTY-STAFF APL COURSES

    ADVANCED APL AND APL-PLUS USAGE
         3:00-4:00 P.M.       TUES. - THURS.      JAN. 30 - FEB. 8

    INTRO TO APL FOR SCIENTISTS AND ENGINEERS
         4:00-5:00 P.M.       TUES. - THURS.      FEB. 13 - MAR. 15

    INTRO TO APL FCR NON-PROGRAMMERS
         3:00-4:00 P.M.       TUES. - THURS.      MARCH 18 - APRIL 18

    FOR COURSE REQUIREMENTS AND APPLICATION FORM SEE THE JANUARY ISSUE OF
         DPC NEWS OR CALL THE DATA PROCESSING CENTER, 845-4211.  CLASSES
         WILL BE HELD IN ROOM 104 OF THE OLIN E. TEAGUE RESEARCH CENTER.

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```
//JCRF9.   JOB (00504,202-B,003,040,BH),'JCRF TEST DATA LIST '              JCB 229
***SETUP
***CLASS        D
***B&D
//BHS EXEC COBU,REGION=110K,TIME=10
XXONESTEP EXEC PGM=ANSCOBCL,REGION=110K                                     00020000
***                                                                         00040000
***           JCL STATEMENTS FOR THE ANS COMPILER                           00060000
***                                                                         00080000
XXSYSUT1     DD UNIT=SYSDA,SPACE=(TRK,(100,20))                             00100000
XXSYSUT2     DD UNIT=SYSDA,SPACE=(TRK,(100,20))                             00120000
XXSYSUT3     DD UNIT=SYSDA,SPACE=(TRK,(100,20))                             00140000
XXSYSUT4     DD UNIT=SYSDA,SPACE=(TRK,(100,20))                             00160000
XXSYSPRT     DD SYSOUT=A                                                    00180000
XXSYSPUNCH   DD SYSOUT=B                                                    00200000
XXSYSLIN     DD UNIT=SYSDA,SPACE=(TRK,(100,20)),DISP=(MOD,DELETE),          00220000
XX              DCB=(BLKSIZE=2240,BUFNO=2),DSN=&&LOADSET                    00240000
***                                                                         00260000
***           JCL STATEMENTS FOR THE LOADER                                 00280000
***                                                                         00300000
XX           DD DDNAME=OBJECT        HEX DECKS FOR LOADER                   00320000
XXSYSLIB     DD DSN=SYS1.COBLIB,DISP=SHR                                    00340000
XX           DD DSN=SYS1.DPCLIB,DISP=SHR                                    00360000
XXSYSLOUT    DD SYSOUT=A                                                    00380000
***                                                                         00400000
***           DPC PROVIDED JCL STATEMENTS FOR USER PROGRAM                  00420000
***                                                                         00440000
XXPRINTER    DD SYSOUT=A                                                    00460000
XXREADER     DD DDNAME=SYSIN                                                00480000
XXSYSOUT     DD SYSOUT=A                                                    00500000
XXPUNCH      DD SYSOUT=B                                                    00520000
***                                                                         00540000
***           JCL STATEMENTS PROVIDED BY USER                               00560000
***                                                                         00580000
//SOURCE   DD *
//MASTIN  DD UNIT=TAPE9,DISP=(OLD,KEEP),DSN=BHSMST,LABEL=(,SL),            X
//             VOL=SER=000255,DCB=(RECFM=FB,LRECL=650,BLKSIZE=6500)
//SYSOUT DD SYSOUT=A
//SYSIN DD *
//
IEF236I ALLOC. FOR JCRF91   ONESTEP  BHS
IEF237I 135   ALLOCATED TO SYSUT1
IEF237I 171   ALLOCATED TO SYSUT2
IEF237I 135   ALLOCATED TO SYSUT3
IEF237I 135   ALLOCATED TO SYSUT4
IEF237I 601   ALLOCATED TO SYSPRT
IEF237I 630   ALLOCATED TO SYSPUNCH
IEF237I 171   ALLOCATED TO SYSLIN
IEF237I 130   ALLOCATED TO SYSLIB
IEF237I 390   ALLOCATED TO
IEF237I 602   ALLOCATED TO SYSLOUT
IEF237I 603   ALLOCATED TO PRINTER
IEF237I 653   ALLOCATED TO READER
IEF237I 604   ALLOCATED TC SYSOUT
IEF237I 633   ALLOCATED TO PUNCH
IEF237I 652   ALLOCATED TO SOURCE
IEF237I 285   ALLOCATED TO MASTIN
IEF237I 605   ALLOCATED TO SYSOUT
IEF285I    SYS73026.T104714.RV000.JCRF91.R0000001        DELETED
IEF285I    VOL SER NOS= 888888.
IEF285I    SYS73026.T104714.RV000.JCRF91.R0000002        DELETED
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IEF285I   VOL SER NOS= DUBL05.
IEF285I   SYS73026.T104714.RV000.JCRF91.R0000003          DELETED
IEF285I   VOL SER NOS= 888888.
IEF285I   SYS73026.T104714.RV000.JCRF91.R0000004          DELETED
IEF285I   VOL SER NOS= 888888.
IEF285I   SYS73026.T104714.RV000.JCRF91.R0000005          DELETED
IEF285I   VOL SER NOS=       .
IEF285I   SYS73026.T104714.RV000.JCRF91.R0000006          DELETED
IEF285I   VOL SER NOS=       .
IEF285I   SYS73026.T104714.RV000.JCRF91.LOADSET           DELETED
IEF285I   VOL SER NOS= DUBL05.
IEF285I   SYS1.COBLIB                                     KEPT
IEF285I   VOL SER NOS= SYSRES.
IEF285I   SYS1.DPCLIB                                     KEPT
IEF285I   VOL SER NOS= 444444.
IEF285I   SYS73026.T104714.RV000.JCRF91.R0000007          DELETED
IEF285I   VOL SER NOS=       .
IEF285I   SYS73026.T104714.RV000.JCRF91.R0000009          DELETED
IEF285I   VOL SER NOS=       .
IEF285I   SYS73026.T104714.RV000.JCRF91.R0000011          DELETED
IEF285I   VOL SER NOS=       .
IEF285I   BHSMST                                          KEPT
IEF285I   VOL SER NOS= 000255.
IEF280E K 285,000255,JCRF91,ONESTEP,BHSMST
TAM001I STEP /ONESTEP/ MAXIMUM CORE USED = 108K, EXECUTE TIME = 1.41
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       IDENTIFICATION DIVISION.
       PROGRAM-ID. 'BRYANUP'.
       AUTHOR.  JCRF.
       DATE-WRITTEN. MARCH 1972.
       INSTALLATION. TEXAS A & M UNIVERSITY.
       ENVIRONMENT DIVISION.
       CONFIGURATION SECTION.
       SOURCE-COMPUTER. IBM-360-I65.
       OBJECT-COMPUTER. IBM-360-I65.
       INPUT-OUTPUT SECTION.
       FILE-CONTROL.
           SELECT MAST-IN      ASSIGN TO UT-2400-S-MASTIN.
       DATA DIVISION.
       FILE SECTION.
       FD  MAST-IN RECORDING MODE F LABEL RECORDS ARE STANDARD
             BLOCK CONTAINS 0 RECORDS RECORD CONTAINS 650 CHARACTERS
             DATA RECORD IS MAST-IN-REC.
       01  MAST-IN-REC PICTURE X(650).
       WORKING-STORAGE SECTION.
       77  FIND-W-S  PICTURE X(60) VALUE 'BRYAN H S WORKING STORAGE '.
       77  NO-READ       PICTURE  9(6) VALUE ZERO.
       77  NO-WRITTEN    PICTURE  9(6) VALUE ZERO.
       77  NO-CHANGES    PICTURE  9(6) VALUE ZERO.
       77  NO-ADDS       PICTURE  9(6) VALUE ZERO.
       77  I             PICTURE  S99 COMPUTATIONAL VALUE ZERO.
       77  J             PICTURE  S99 COMPUTATIONAL VALUE ZERO.
       77  K             PICTURE  S99 COMPUTATIONAL VALUE ZERO.
       77  L             PICTURE  S99 COMPUTATIONAL VALUE ZERO.
       77  M             PICTURE  S99 COMPUTATIONAL VALUE ZERO.
       77  N             PICTURE  S99 COMPUTATIONAL VALUE ZERO.
       77  CHNG-EOF-FLG PICTURE 9 VALUE 0.
       01  STUDENT-RECORD.
           02  DELETE-CODE                 PICTURE X.
           02  ID-NO-3                     PICTURE X(9).
           02  TYPE-CODE-1                 PICTURE X.
           02  RECORD-TYPE-1.
               03  RECORD-BLOCK PICTURE X(69) OCCURS 9 TIMES.
           02  RECORD-TYPE-2 REDEFINES RECORD-TYPE-1.
               03  L-NAME-1                PICTURE X(12).
               03  F-NAME-1                PICTURE X(10).
               03  M-I-1                   PICTURE X(01).
               03  EMPL-1                  PICTURE X(01).
               03  OCC-1                   PICTURE X(15).
               03  O-E-CODE-1              PICTURE X(07).
               03  JOB-TITLE-1             PICTURE X(13).
               03  HRS-DAY-1               PICTURE X(04).
               03  SALARY-1                PICTURE X(04).
               03  SEX-1                   PICTURE X(01).
               03  RACE-1                  PICTURE X(01).
               03  S-ADD-1                 PICTURE X(21).
               03  S-CIT-1                 PICTURE X(11).
               03  S-STA-1                 PICTURE X(05).
               03  S-ZIP-1                 PICTURE X(05).
               03  S-ARC-1                 PICTURE X(03).
```

```
           03  S-PHN-1              PICTURE X(07).
           03  BIRTH-DATE-1         PICTURE X(06).
           03  DATE-REC-1           PICTURE X(06).
           03  CRS-CNT-1            PICTURE X(02).
           03  FILLER               PICTURE X(03).
           03  P-ADD-1              PICTURE X(21).
           03  P-CIT-1              PICTURE X(11).
           03  P-STA-1              PICTURE X(05).
           03  P-ZIP-1              PICTURE X(05).
           03  P-ARC-1              PICTURE X(03).
           03  P-PHN-1              PICTURE X(07).
           03  REMARK-1             PICTURE X(17).
           03  E-ADD-1              PICTURE X(21).
           03  E-CIT-1              PICTURE X(11).
           03  E-STA-1              PICTURE X(05).
           03  E-ZIP-1              PICTURE X(05).
           03  E-ARC-1              PICTURE X(03).
           03  E-PHN-1              PICTURE X(07).
           03  E-NAM-1              PICTURE X(17).
           03  CRS-RECORDS OCCURS 5 TIMES.
               04  VOC-CRS-1        PICTURE X(04).
               04  O-E-COD-2        PICTURE X(07).
               04  HRS-CRS-1        PICTURE X(04).
               04  SCH-ATT-1        PICTURE X(03).
               04  GRADE-1          PICTURE X(02).
               04  VOC-TEACH-1      PICTURE X(17).
               04  DATE-ENT-1       PICTURE X(04).
               04  DATE-EXIT-1      PICTURE X(04).
               04  REASON-EXIT-1    PICTURE X(04).
               04  REMARK-2         PICTURE X(20).
       02  RECORD-TYPE-3 REDEFINES  RECORD-TYPE-1.
           03  L-NAME-2             PICTURE X(12).
           03  F-NAME-2             PICTURE X(10).
           03  M-I-2                PICTURE X(01).
           03  EMPL-2               PICTURE X(01).
           03  OCC-2                PICTURE X(15).
           03  O-E-CODE-2           PICTURE X(07).
           03  JOB-TITLE-2          PICTURE X(12).
           03  HRS-DAY-2            PICTURE X(05).
           03  SALARY-2             PICTURE X(04).
           03  SEX-2                PICTURE X(01).
           03  RACE-2               PICTURE X(01).
           03  L-NAME-3             PICTURE X(12).
           03  F-NAME-3             PICTURE X(10).
           03  M-I-3                PICTURE X(01).
           03  SALARY-3             PICTURE X(04).
           03  NO-OF-EMPL-2         PICTURE X(03).
           03  YEAR-OF-1ST-ENTRY    PICTURE X(02).
           03  REMARK-3             PICTURE X(35).
           03  CRS-CNT-2            PICTURE X(02).
           03  S-ADD-2              PICTURE X(21).
           03  S-CIT-2              PICTURE X(11).
           03  S-STA-2              PICTURE X(05).
           03  S-ZIP-2              PICTURE X(05).
           03  S-ARC-2              PICTURE X(03).
           03  S-PHN-2              PICTURE X(07).
           03  BIRTH-DATE-2         PICTURE X(06).
```

```
           03  DATE-REC-2           PICTURE X(06).
           03  STEP-ENCR-2          PICTURE X(01).
           03  FILLER               PICTURE X(04).
           03  E-ADD-2              PICTURE X(21).
           03  E-CIT-2              PICTURE X(11).
           03  E-STA-2              PICTURE X(05).
           03  E-ZIP-2              PICTURE X(05).
           03  E-ARC-2              PICTURE X(03).
           03  E-PHN-2              PICTURE X(07).
           03  E-NAM-2              PICTURE X(17).
           03  CRS-RECORDS-2 OCCURS 5 TIMES.
               04  VOC-CRS-2        PICTURE X(04).
               04  O-E-COD-3        PICTURE X(07).
               04  HRS-CRS-2        PICTURE X(04).
               04  SCT-ATT-2        PICTURE X(03).
               04  GRADE-2          PICTURE X(02).
               04  VOC-TEACH-2      PICTURE X(17).
               04  DATE-EXIT-2      PICTURE X(04).
               04  REASON-EXIT-2    PICTURE X(04).
               04  VOC-Y-N-2        PICTURE X(01).
               04  HRS-COMPL-2      PICTURE X(04).
               04  PER-CEN-COM-2    PICTURE X(03).
               04  POST-EXIT-ACT-2 PICTURE X(04).
               04  DATE-ENT-2       PICTURE X(04).
               04  FILLER           PICTURE X(08).
       01  ERROR-FLAG PICTURE 9 VALUE ZERO.
       01  DELETE-DATE PICTURE XX.
       PROCEDURE DIVISION.
       START-PROGRAM.
           CALL 'SPIE'.
           OPEN INPUT MAST-IN.
       READ-LOOP-1.
           READ MAST-IN INTO STUDENT-RECORD AT END GO TO LAST-IN.
           ADD 1  TO NO-READ.
           IF TYPE-CODE-1 = '1' GO TO WRITE-LOOP-1.
       DELETE-ONE.
           DISPLAY ID-NO-3, 'A', RECORD-BLOCK (1).
           DISPLAY '          B', RECORD-BLOCK (2).
           DISPLAY '          C', RECORD-BLOCK (3).
           DISPLAY '          D', RECORD-BLOCK (4).
           DISPLAY '          E', RECORD-BLOCK (5).
           DISPLAY '          F', RECORD-BLOCK (6).
           DISPLAY '          G', RECORD-BLOCK (7).
           DISPLAY '          H', RECORD-BLOCK (8).
           DISPLAY '          I', RECORD-BLOCK (9).
           GO TO READ-LOOP-1.
       WRITE-LOOP-1.
           DISPLAY ID-NO-3, '1', RECORD-BLOCK (1).
           DISPLAY '          2', RECORD-BLOCK (2).
           DISPLAY '          3', RECORD-BLOCK (3).
           DISPLAY '          4', RECORD-BLOCK (4).
           DISPLAY '          5', RECORD-BLOCK (5).
           DISPLAY '          6', RECORD-BLOCK (6).
           DISPLAY '          7', RECORD-BLOCK (7).
           DISPLAY '          8', RECORD-BLOCK (8).
           DISPLAY '          9', RECORD-BLOCK (9).
           GO TO READ-LOOP-1.
```

```
LAST-IN.
CLOSE-AND-STOP.
    CLOSE MAST-IN.
    DISPLAY 'NO. READ ', NO-READ.
    STOP RUN.
```

5

```
*STATISTICS*      SOURCE RECORDS =    173     DATA DIVISION STATEMENTS =    121     PROCEDURE DIVISION STATEMENTS =     30
*OPTIONS IN EFFECT*     SIZE =    94208  BUF =     7882  LINECNT = 57  SPACE1, FLAGW,   SEQ,   SOURCE
*OPTIONS IN EFFECT*     NODMAP, NOPMAP, NOCLIST,   SUPMAP, NOXREF,   LOAD, NODECK, APOST, NOTRUNC, NOLIB, NOVERB
*OPTIONS IN EFFECT*       ZWB
```

OS/360 LOADER

OPTIONS USED - PRINT,MAP,NOLET,CALL,RES,NOTERM,SIZE=77824,NAME=**GO

NAME	TYPE	ADDR	NAME	TYPE	ADDR	NAME	TYPE	ADDR	NAME	TYPE	ADDR	NAME	TYPE	ADDR
BRYANUP	SD	65010	ILBOSTPO*	SD	65B28	ILBOSTP1*	LR	65B3E	ILBODSPO*	SD	65B60	SPIE *	SD	66258

TOTAL LENGTH 1780
ENTRY ADDRESS 65010

BRYAN PUBLIC SCHOOLS DELETE PROGRAM

The purpose of this program is to delete the records of follow-up students who have been exited from the program for a number of years.

To accomplish this each follow-up record has been assigned a year of entry into the follow-up program. For example those students entering the follow-up program after the school year 1969-1970 will have the number "70" as their year of entry into the follow-up program. A data card with the year of entry in col. 1-2 will pe placed behind the program.

The program will read the current master tape and build a new master tape deleting every follow-up student record which has a year of entry number exactly equal to the number in the data card.

At the end of this run the new master tape becomes the current master tape as indicated in the tape rotation write-up.

It should be noted that if a delete year of say '69' is on the data card and follow-up records with a year of entry of '67' exists on the tape they will not be deleted.

COMPUTER PROGRAM FOR

DELETING STUDENTS' RECORDS

FROM THE MASTER FILE

```
//JCR        JOB (10327,201-B,003,005,BH),'JCRF TEST DELETE PRG                    JOB 960
***CLASS        A
//BHS EXEC COBUCL
XXCOB     EXEC  PGM=IKFCBL00,REGION=110K,PARM='SIZE=108000'                   00000020
***********************************************************************00000021
***                                                                           00000022
*** IF YOU OVERRIDE THE PARM FIELD, YOU MUST INCLUDE SIZE=108000              00000023
*** EXAMPLE  PARM.COB='PMAP,XREF,SIZE=108000'                                 00000024
***                                                                           00000025
***********************************************************************00000026
XXSYSPRINT  DD SYSOUT=A                                                       00000030
XXSYSPUNCH DD SYSOUT=B                                                        00000040
XXSYSUT1 DD UNIT=DISK,SPACE=(460,(700,100))                                   00000050
XXSYSUT2    DD UNIT=SYSDA,SPACE=(460,(700,100))                               00000060
XXSYSUT3    DD UNIT=SYSDA,SPACE=(460,(700,100))                               00000070
XXSYSUT4    DD UNIT=SYSDA,SPACE=(460,(700,100))                               00000080
XXSYSLIN    DD DSNAME=&&LOADSET,DISP=(MOD,PASS),UNIT=SYSDA,                  X00000090
XX               SPACE=(80,(900,100))                                         00000100
//COB.SYSIN DD *
IEF236I ALLOC. FOR JCRF91   COB      BHS
IEF237I 604   ALLOCATED TO SYSPRINT
IEF237I 630   ALLOCATED TO SYSPUNCH
IEF237I 251   ALLOCATED TO SYSUT1
IEF237I 251   ALLOCATED TO SYSUT2
IEF237I 251   ALLOCATED TO SYSUT3
IEF237I 251   ALLOCATED TO SYSUT4
IEF237I 251   ALLOCATED TO SYSLIN
IEF237I 655   ALLOCATED TO SYSIN
IEF285I    SYS72143.T111228.RV00C.JCRF91.R0001190        DELETED
IEF285I    VOL SER NOS=          .
IEF285I    SYS72143.T111228.RV000.JCRF91.R0001191        DELETED
IEF285I    VOL SER NOS=          .
IEF285I    SYS72143.T111228.RV00C.JCRF91.R0001192        DELETED
IEF285I    VOL SER NOS= AAAAAA.
IEF285I    SYS72143.T111228.RV000.JCRF91.R0001193        DELETED
IEF285I    VOL SER NOS= AAAAAA.
IEF285I    SYS72143.T111228.RV000.JCRF91.R0001194        DELETED
IEF285I    VOL SER NOS= AAAAAA.
IEF285I    SYS72143.T111228.RV000.JCRF91.R0001195        DELETED
IEF285I    VOL SER NOS= AAAAAA.
IEF285I    SYS72143.T111228.RV000.JCRF91.LOADSET         PASSED
IEF285I    VOL SER NOS= AAAAAA.
IEF285I    SYS72143.T111228.RV000.JCRF91.R0001196        DELETED
IEF285I    VOL SER NOS=          .
*******************************************
************************************************************ MAIN 110K LCS   0K
STEPNAME = COB       EXECUTION TIME =      .39*************************************
XXLKED       EXEC  PGM=IEWL,COND=(5,LT,COB),PARM='MAP,LIST',REGION=96K   00000110
XXSYSPRINT  DD SYSOUT=A                                                   00000120
//LKED.SYSLMOD DD DSN=USER.BHS.FOREHAND.JOBLIB(DELETE),DISP=SHR
X/SYSLMOD   DD DSNAME=&&GODATA(RUN),DISP=(NEW,PASS),                     X00000130
XX             UNIT=SYSDA,SPACE=(1024,(100,20,1))                          00000140
XXSYSLIB    DD  DSN=SYS1.CCBLIB,DISP=SHR
XX         DD  DSNAME=SYS1.DPCLIB,DISP=SHR                                 00000160
XX DD DSN=SYS1.COBLIB,DISP=SHR
XXSYSUT1 DD UNIT=DISK,SPACE=(1024,(50,20))                                 00000170
XXSYSLIN    DD DSNAME=&&LOADSET,DISP=(OLD,DELETE)                          00000180
XX          DD DDNAME=SYSIN                                                00000190
//
IEF236I ALLOC. FOR JCRF91   LKED     BHS
IEF237I 602   ALLOCATED TO SYSPRINT
```

```
IEF23?  257   ALLOCATED TO SYSLMOD
IEF237I 250   ALLOCATED TO SYSLIB
IEF237I 134   ALLOCATED TO
IEF237I 250   ALLOCATED TO
IEF237I 251   ALLOCATED TO SYSUT1
IEF237I 251   ALLOCATED TO SYSLIN
IEF285I    SYS72143.T111228.RV000.JCRF91.R0001197        DELETED
IEF285I    VOL SER NOS=        .
IEF285I    USER.BHS.FOREHAND.JOBLIB                      KEPT
IEF285I    VOL SER NOS= RRRRRR.
IEF285I    SYS1.COBLIB                                   KEPT
IEF285I    VOL SER NOS= R1861S.
IEF285I    SYS1.DPCLIB                                   KEPT
IEF285I    VOL SER NOS= 444444.
IEF285I    SYS1.COBLIB                                   KEPT
IEF285I    VOL SER NOS= R1861S.
IEF285I    SYS72143.T111228.RV000.JCRF91.R0001198        DELETED
IEF285I    VOL SER NOS= AAAAAA.
IEF285I    SYS72143.T111228.RV000.JCRF91.LOADSET         DELETED
IEF285I    VOL SER NOS= AAAAAA.
****************************************
*********************************************************** MAIN  70K LCS   OK
STEPNAME = LKED     EXECUTION TIME =     .20*************************************
****************************************
***********************************************************
```

```
       IDENTIFICATION DIVISION.
       PROGRAM-ID. 'BRYANUP'.
       AUTHOR.  JCRF.
       DATE-WRITTEN. MARCH 1972.
       INSTALLATION. TEXAS A & M UNIVERSITY.
       ENVIRONMENT DIVISION.
       CONFIGURATION SECTION.
       SOURCE-COMPUTER. IBM-360-I65.
       OBJECT-COMPUTER. IBM-360-I65.
       INPUT-OUTPUT SECTION.
       FILE-CONTROL.
           SELECT INPUT-CARDS ASSIGN TO UT-S-READER.
           SELECT MAST-IN      ASSIGN TO UT-2400-S-MASTIN.
           SELECT MAST-OUT     ASSIGN TO UT-2400-S-MASTOUT.
       DATA DIVISION.
       FILE SECTION.
       FD  INPUT-CARDS RECORDING MODE IS F LABEL RECORDS ARE OMITTED
           DATA RECORD IS INPUT-RECORD.
       01  INPUT-RECORD.
           02  IN-X-TEST PICTURE X OCCURS 80 TIMES.
       FD  MAST-IN RECORDING MODE F LABEL RECORDS ARE STANDARD
             BLOCK CONTAINS 0 RECORDS RECORD CONTAINS 650 CHARACTERS
             DATA RECORD IS MAST-IN-REC.
       01  MAST-IN-REC PICTURE X(650).
       FD  MAST-OUT RECORDING MODE F LABEL RECORDS ARE STANDARD
             BLOCK CONTAINS 0 RECORDS RECORD CONTAINS 650 CHARACTERS
             DATA RECORD IS  MAST-OUT-REC.
       01  MAST-OUT-REC PICTURE X(650).
       WORKING-STORAGE SECTION.
       77  FIND-W-S  PICTURE X(60) VALUE 'BRYAN H S WORKING STORAGE '.
       77  NO-READ       PICTURE  9(6) VALUE ZERO.
       77  NO-WRITTEN    PICTURE  9(6) VALUE ZERO.
       77  NO-CHANGES    PICTURE  9(6) VALUE ZERO.
       77  NO-ADDS       PICTURE  9(6) VALUE ZERO.
       77  I             PICTURE  S99 COMPUTATIONAL VALUE ZERO.
       77  J             PICTURE  S99 COMPUTATIONAL VALUE ZERO.
       77  K             PICTURE  S99 COMPUTATIONAL VALUE ZERO.
       77  L             PICTURE  S99 COMPUTATIONAL VALUE ZERO.
       77  M             PICTURE  S99 COMPUTATIONAL VALUE ZERO.
       77  N             PICTURE  S99 COMPUTATIONAL VALUE ZERO.
       77  CHNG-ECF-FLG PICTURE 9 VALUE 0.
       01  STUDENT-RECORD.
           02  DELETE-CODE               PICTURE X.
           02  ID-NO-3                   PICTURE X(9).
           02  TYPE-CODE-1               PICTURE X.
           02  RECORD-TYPE-1.
               03  RECORD-BLOCK PICTURE X(69) OCCURS 9 TIMES.
           02  RECORD-TYPE-2 REDEFINES RECORD-TYPE-1.
               03  L-NAME-1              PICTURE X(12).
               03  F-NAME-1              PICTURE X(10).
               03  M-I-1                 PICTURE X(01).
               03  EMPL-1                PICTURE X(01).
               03  OCC-1                 PICTURE X(15).
               03  O-E-CODE-1            PICTURE X(07).
```

```
           03  JOB-TITLE-1          PICTURE X(13).
           03  HRS-DAY-1            PICTURE X(04).
           03  SALARY-1             PICTURE X(04).
           03  SEX-1                PICTURE X(01).
           03  RACE-1               PICTURE X(01).
           03  S-ADD-1              PICTURE X(21).
           03  S-CIT-1              PICTURE X(11).
           03  S-STA-1              PICTURE X(05).
           03  S-ZIP-1              PICTURE X(05).
           03  S-ARC-1              PICTURE X(03).
           03  S-PHN-1              PICTURE X(07).
           03  BIRTH-DATE-1         PICTURE X(06).
           03  DATE-REC-1           PICTURE X(06).
           03  CRS-CNT-1            PICTURE X(02).
           03  FILLER               PICTURE X(03).
           03  P-ADD-1              PICTURE X(21).
           03  P-CIT-1              PICTURE X(11).
           03  P-STA-1              PICTURE X(05).
           03  P-ZIP-1              PICTURE X(05).
           03  P-ARC-1              PICTURE X(03).
           03  P-PHN-1              PICTURE X(07).
           03  REMARK-1             PICTURE X(17).
           03  E-ADD-1              PICTURE X(21).
           03  E-CIT-1              PICTURE X(11).
           03  E-STA-1              PICTURE X(05).
           03  E-ZIP-1              PICTURE X(05).
           03  E-ARC-1              PICTURE X(03).
           03  E-PHN-1              PICTURE X(07).
           03  E-NAM-1              PICTURE X(17).
           03  CRS-RECORDS OCCURS 5 TIMES.
               04  VOC-CRS-1        PICTURE X(04).
               04  O-E-COD-2        PICTURE X(07).
               04  HRS-CRS-1        PICTURE X(04).
               04  SCH-ATT-1        PICTURE X(03).
               04  GRADE-1          PICTURE X(02).
               04  VOC-TEACH-1      PICTURE X(17).
               04  DATE-ENT-1       PICTURE X(04).
               04  DATE-EXIT-1      PICTURE X(04).
               04  REASON-EXIT-1    PICTURE X(04).
               04  REMARK-2         PICTURE X(20).
       02  RECORD-TYPE-3 REDEFINES RECORD-TYPE-1.
           03  L-NAME-2             PICTURE X(12).
           03  F-NAME-2             PICTURE X(10).
           03  M-I-2                PICTURE X(01).
           03  EMPL-2               PICTURE X(01).
           03  OCC-2                PICTURE X(15).
           03  O-E-CODE-2           PICTURE X(07).
           03  JOB-TITLE-2          PICTURE X(12).
           03  HRS-DAY-2            PICTURE X(05).
           03  SALARY-2             PICTURE X(04).
           03  SEX-2                PICTURE X(01).
           03  RACE-2               PICTURE X(01).
           03  L-NAME-3             PICTURE X(12).
           03  F-NAME-3             PICTURE X(10).
           03  M-I-3                PICTURE X(01).
           03  SALARY-3             PICTURE X(04).
           03  NO-OF-EMPL-2         PICTURE X(03).
```

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           03  YEAR-OF-1ST-ENTRY   PICTURE X(02).
           03  REMARK-3            PICTURE X(35).
           03  CRS-CNT-2           PICTURE X(02).
           03  S-ADD-2             PICTURE X(21).
           03  S-CIT-2             PICTURE X(11).
           03  S-STA-2             PICTURE X(05).
           03  S-ZIP-2             PICTURE X(05).
           03  S-ARC-2             PICTURE X(03).
           03  S-PHN-2             PICTURE X(07).
           03  BIRTH-DATE-2        PICTURE X(06).
           03  DATE-REC-2          PICTURE X(06).
           03  STEP-ENCR-2         PICTURE X(01).
           03  FILLER              PICTURE X(04).
           03  E-ADD-2             PICTURE X(21).
           03  E-CIT-2             PICTURE X(11).
           03  E-STA-2             PICTURE X(05).
           03  E-ZIP-2             PICTURE X(05).
           03  E-ARC-2             PICTURE X(03).
           03  E-PHN-2             PICTURE X(07).
           03  E-NAM-2             PICTURE X(17).
           03  CRS-RECORDS-2 OCCURS 5 TIMES.
               04  VOC-CRS-2       PICTURE X(04).
               04  O-E-COD-3       PICTURE X(07).
               04  HRS-CRS-2       PICTURE X(04).
               04  SCT-ATT-2       PICTURE X(03).
               04  GRADE-2         PICTURE X(02).
               04  VOC-TEACH-2     PICTURE X(17).
               04  DATE-EXIT-2     PICTURE X(04).
               04  REASON-EXIT-2   PICTURE X(04).
               04  VOC-Y-N-2       PICTURE X(01).
               04  HRS-COMPL-2     PICTURE X(04).
               04  PER-CEN-COM-2   PICTURE X(03).
               04  POST-EXIT-ACT-2 PICTURE X(04).
               04  DATE-ENT-2      PICTURE X(04).
               04  FILLER          PICTURE X(08).
       01  ERROR-FLAG PICTURE 9 VALUE ZERO.
       01  DELETE-DATE PICTURE XX.
       PROCEDURE DIVISION.
       START-PROGRAM.
           CALL 'SPIE'.
           OPEN INPUT INPUT-CARDS.
           OPEN INPUT MAST-IN.
           OPEN OUTPUT MAST-OUT.
           READ INPUT-CARDS INTO DELETE-DATE AT END
                DISPLAY ' NO CONTROL CARD, NOTHING DONE ', GO TO
                CLOSE-AND-STOP.
       READ-LOOP-1.
           READ MAST-IN INTO STUDENT-RECORD AT END GO TO LAST-IN.
           ADD 1  TO NO-READ.
           IF TYPE-CODE-1 = '1' GO TO WRITE-LOOP-1.
           IF YEAR-OF-1ST-ENTRY = DELETE-DATE GO TO DELETE-ONE.
       WRITE-LOOP-1.
           ADD 1 TO NO-WRITTEN.
           WRITE MAST-OUT-REC FROM STUDENT-RECORD.
           GO TO READ-LOOP-1.
       DELETE-ONE.
           DISPLAY ' THIS STUDENT DELETED ', ID-NO-3, ' ',
```

```
                    RECORD-BLOCK (1).
               GO TO READ-LOOP-1.
          LAST-IN.
          CLOSE-AND-STOP.
               CLOSE INPUT-CARDS.
               CLOSE MAST-IN.
               CLOSE MAST-OUT.
               DISPLAY 'NO. READ ', NO-READ.
               DISPLAY 'NO. WRITTEN ', NO-WRITTEN.
               STOP RUN.
```

```
*STATISTICS*     SOURCE RECORDS =    178     DATA DIVISION STATEMENTS =    126     PROCEDURE DIVISION STATEMENTS =     25
*OPTIONS IN EFFECT*     SIZE =  108000  BUF =     9288  LINECNT = 57  SPACE1, FLAGW,   SEQ,   SOURCE
*OPTIONS IN EFFECT*     NODMAP, NOPMAP, NOCLIST,   SUPMAP, NOXREF,   LOAD, NODECK, APOST, NOTRUNC
```

```
F44-L  EL LINKAGE EDITOR OPTIONS SPECIFIED MAP,LIST
          VARIABLE OPTIONS USED - SIZE=(65536,20480)                    DEFAULT OPTION(S) USED

                                        MODULE MAP

 CONTROL SECTION                    ENTRY

   NAME     ORIGIN  LENGTH            NAME    LOCATION     NAME   LOCATION     NAME   LOCATION     NAME   LOCATION

 BRYANUP        00     C26
 ILBODSPO*     C28     6F8
 ILBOSTPO*    1320      35
                                   ILBOSTP1     1336
 SPIE     *   1358     564

ENTRY ADDRESS        00
TOTAL LENGTH       18C0

****DELETE     DOES NOT EXIST BUT HAS BEEN ADDED TO DATA SET
```

BRYAN PUBLIC SCHOOLS CHANGE RECORD FORMAT PROGRAM

The purpose of this program is to change a students record from an active to a follow-up type record.

To accomplish this a set of cards (one for each student whose record is to be changed) is loaded behind the program or JCL deck. The cards will have the student ID number punched in col. 1-9 exactly as it is on the data tape. In col. 10-11 the year of entry into the follow-up program.

The program will read the current master tape and build a new master tape with those specified students records changed from an active format to a follow-up format. Each student so changed will be listed in the format of the follow-up student cards.

If an ID number from the input cards does not match a record on the current master a message "STUDENT NOT FOUND" will be printed and the corresponding input card will be printed. If you wish to place the student name in col. 12-33 of the input cards it will be printed also.

If an ID number from the input cards specifies a record that is already in the follow-up format a message "RECORD ALREADY FOLLOW-UP" will be printed and the corresponding input card will be printed.

The program will continue to run regardless of any messages printed and at the end of the run the new master tape should be considered the current master tape.

A separate piece of documentation will explain the tape rotation system and this applies to this system also.

COMPUTER PROGRAM FOR

CHANGING A STUDENT RECORD

FROM ACTIVE TO FOLLOW-UP

```
//JCRF     JOB (10327,201-B,003,005,BH),'JCRF TEST RECORD CHA                JOB  24
***CLASS        A
//BHS EXEC COBUCL
XXCOB     EXEC  PGM=IKFCBL00,REGION=110K,PARM='SIZE=108000'                 00000020
***********************************************************************00000021
***                                                                     00000022
*** IF YOU OVERRIDE THE PARM FIELD, YOU MUST INCLUDE SIZE=108000        00000023
*** EXAMPLE  PARM.COB='PMAP,XREF,SIZE=108000'                           00000024
***                                                                     00000025
***********************************************************************00000026
XXSYSPRINT  DD SYSOUT=A                                                 00000030
XXSYSPUNCH DD SYSOUT=B                                                  00000040
XXSYSUT1 DD UNIT=DISK,SPACE=(460,(700,100))                             00000050
XXSYSUT2     DD UNIT=SYSDA,SPACE=(460,(700,100))                        00000060
XXSYSUT3     DD UNIT=SYSDA,SPACE=(460,(700,100))                        00000070
XXSYSUT4     DD UNIT=SYSDA,SPACE=(460,(700,100))                        00000080
XXSYSLIN     DD DSNAME=&&LOADSET,DISP=(MOD,PASS),UNIT=SYSDA,           X00000090
XX              SPACE=(80,(900,100))                                    00000100
//COB.SYSIN DD *
IEF236I ALLOC. FOR JCRF92   COB      BHS
IEF237I 601   ALLOCATED TO SYSPRINT
IEF237I 632   ALLOCATED TO SYSPUNCH
IEF237I 251   ALLOCATED TO SYSUT1
IEF237I 252   ALLOCATED TO SYSUT2
IEF237I 131   ALLOCATED TO SYSUT3
IEF237I 251   ALLOCATED TO SYSUT4
IEF237I 133   ALLOCATED TO SYSLIN
IEF237I 652   ALLOCATED TO SYSIN
IEF285I    SYS72143.T111228.RV000.JCRF92.R0001434       DELETED
IEF285I    VOL SER NOS=        .
IEF285I    SYS72143.T111228.RV000.JCRF92.R0001435       DELETED
IEF285I    VOL SER NOS=        .
IEF285I    SYS72143.T111228.RV000.JCRF92.R0001436       DELETED
IEF285I    VOL SER NOS= AAAAAA.
IEF285I    SYS72143.T111228.RV000.JCRF92.R0001437       DELETED
IEF285I    VOL SER NOS= 777777.
IEF285I    SYS72143.T111226.RV000.JCRF92.R0001438       DELETED
IEF285I    VOL SER NOS= 666666.
IEF285I    SYS72143.T111228.RV000.JCRF92.R0001439       DELETED
IEF285I    VOL SER NOS= AAAAAA.
IEF285I    SYS72143.T111228.RV000.JCRF92.LOADSET        PASSED
IEF285I    VOL SER NOS= 888888.
IEF285I    SYS72143.T111228.RV000.JCRF92.R0001440       DELETED
IEF285I    VOL SER NOS=        .
******************************************
********************************************************** MAIN 110K LCS   OK
STEPNAME = COB      EXECUTION TIME =     .43*************************************
XXLKED      EXEC  PGM=IEWL,COND=(5,LT,COB),PARM='MAP,LIST',REGION=96K   00000110
XXSYSPRINT  DD SYSOUT=A                                                 00000120
//LKED.SYSLMOD DD DSN=USER.BHS.FOREHAND.JOBLIB(CHANGE),DISP=SHR
X/SYSLMOD   DD DSNAME=&&GODATA(RUN),DISP=(NEW,PASS),                   X00000130
XX             UNIT=SYSDA,SPACE=(1024,(100,20,1))                       00000140
XXSYSLIB    DD  DSN=SYS1.COBLIB,DISP=SHR
XX          DD  DSNAME=SYS1.DPCLIB,DISP=SHR                             00000160
XX DD DSN=SYS1.COBLIB,DISP=SHR
XXSYSUT1 DD UNIT=DISK,SPACE=(1024,(50,20))                              00000170
XXSYSLIN     DD DSNAME=&&LOADSET,DISP=(OLD,DELETE)                      00000180
XX           DD DDNAME=SYSIN                                            00000190
//
IEF236I ALLOC. FOR JCRF92   LKED     BHS
IEF237I 603   ALLOCATED TO SYSPRINT
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IEF23   397   ALLOCATED TO SYSLMOD
IEF237I 250   ALLOCATED TO SYSLIB
IEF237I 134   ALLOCATED TO
IEF237I 250   ALLOCATED TO
IEF237I 131   ALLOCATED TO SYSUT1
IEF237I 133   ALLOCATED TO SYSLIN
IEF285I   SYS72143.T111228.RV000.JCRF92.R0001441       DELETED
IEF285I   VOL SER NOS=       .
IEF285I   USER.BHS.FOREHAND.JOBLIB                     KEPT
IEF285I   VOL SER NOS= RRRRRR.
IEF285I   SYS1.COBLIB                                  KEPT
IEF285I   VOL SER NOS= R1861S.
IEF285I   SYS1.DPCLIB                                  KEPT
IEF285I   VOL SER NOS= 444444.
IEF285I   SYS1.COBLIB                                  KEPT
IEF285I   VOL SER NOS= R1861S.
IEF285I   SYS72143.T111228.RV000.JCRF92.R0001442       DELETED
IEF285I   VOL SER NOS= 666666.
IEF285I   SYS72143.T111228.RV000.JCRF92.LOADSET        DELETED
IEF285I   VOL SER NOS= 888888.
*****************************************
************************************************************* MAIN  70K LCS   0K
STEPNAME = LKED      EXECUTION TIME =      .24*************************************
*****************************************
*************************************************************
```

```
IDENTIFICATION DIVISION.
PROGRAM-ID. 'BRYANUP'.
AUTHOR.  JCRF.
DATE-WRITTEN. MARCH 1972.
INSTALLATION. TEXAS A & M UNIVERSITY.
ENVIRONMENT DIVISION.
CONFIGURATION SECTION.
SOURCE-COMPUTER. IBM-360-I65.
OBJECT-COMPUTER. IBM-360-I65.
INPUT-OUTPUT SECTION.
FILE-CONTROL.
     SELECT INPUT-CARDS ASSIGN TO UT-S-READER.
     SELECT PRINT-OUTS  ASSIGN TO UT-S-PRINTER.
     SELECT PRESORT-FILE ASSIGN TO UT-2314-S-SORTIN.
     SELECT POSTSRT-FILE ASSIGN TO UT-2314-S-SORTOUT.
     SELECT MAST-IN       ASSIGN TO UT-2400-S-MASTIN.
     SELECT MAST-OUT      ASSIGN TO UT-2400-S-MASTOUT.
     SELECT SORT-DISC     ASSIGN TO UT-2314-S-SORTIN.
DATA DIVISION.
FILE SECTION.
FD   INPUT-CARDS RECORDING MODE IS F LABEL RECORDS ARE OMITTED
     DATA RECORD IS INPUT-RECORD.
01   INPUT-RECORD.
     02  IN-X-TEST PICTURE X OCCURS 80 TIMES.
FD   PRINT-OUTS RECORDING MODE F LABEL RECORDS ARE OMITTED
                  DATA RECORD IS PRINT-RECORD.
01   PRINT-RECORD PICTURE X(132).
FD   PRESORT-FILE RECORDING MODE F LABEL RECORDS ARE STANDARD
       BLOCK CONTAINS 0 RECORDS RECORD CONTAINS 80 CHARACTERS
       DATA RECORD IS SORTIN-RECORD.
01   SORTIN-RECORD PICTURE X(80).
FD   POSTSRT-FILE RECORDING MODE F LABEL RECORDS ARE STANDARD
       BLOCK CONTAINS 0 RECORDS RECORD CONTAINS 80 CHARACTERS
       DATA RECORD IS SORTOUT-RECORD.
01   SORTOUT-RECORD PICTURE X(80).
FD   MAST-IN RECORDING MODE F LABEL RECORDS ARE STANDARD
       BLOCK CONTAINS 0 RECORDS RECORD CONTAINS 650 CHARACTERS
       DATA RECORD IS MAST-IN-REC.
01   MAST-IN-REC PICTURE X(650).
FD   MAST-OUT RECORDING MODE F LABEL RECORDS ARE STANDARD
       BLOCK CONTAINS 0 RECORDS RECORD CONTAINS 650 CHARACTERS
       DATA RECORD IS  MAST-OUT-REC.
01   MAST-OUT-REC PICTURE X(650).
SD   SORT-DISC RECORDING MODE F RECORD CONTAINS 80 CHARACTERS
       DATA RECORD IS SORT-FIELDS.
01   SORT-FIELDS.
     02  FIELD-1                  PICTURE X(10).
     02  FIELD-2                  PICTURE XX.
     02  FIELD-3                  PICTURE X(62).
     02  FIELD-4                  PICTURE X(5).
     02  FIELD-5                  PICTURE X.
WORKING-STORAGE SECTION.
77   FIND-W-S  PICTURE X(60) VALUE 'BRYAN H S WORKING STORAGE '.
77   NO-READ     PICTURE  9(6) VALUE ZERO.
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77  NO-WRITTEN  PICTURE  9(6) VALUE ZERO.
77  NO-CHANGES  PICTURE  9(6) VALUE ZERO.
77  NO-ADDS     PICTURE  9(6) VALUE ZERO.
77  I           PICTURE  S99 COMPUTATIONAL VALUE ZERO.
77  J           PICTURE  S99 COMPUTATIONAL VALUE ZERO.
77  K           PICTURE  S99 COMPUTATIONAL VALUE ZERO.
77  L           PICTURE  S99 COMPUTATIONAL VALUE ZERO.
77  M           PICTURE  S99 COMPUTATIONAL VALUE ZERO.
77  N           PICTURE  S99 COMPUTATIONAL VALUE ZERO.
77  CHNG-EOF-FLG PICTURE 9 VALUE 0.
01  CHANGE-CARDS.
    02  ID-NO-1                  PICTURE X(9).
    02  ID-NO-2 REDEFINES ID-NO-1 PICTURE X OCCURS 9 TIMES.
    02  CARD-TYPE-1.
        03  CARD-CODE-1          PICTURE X.
        03  CRD-CD-X REDEFINES CARD-CODE-1 PICTURE 9.
        03  CARD-CHNG-1          PICTURE X(69).
        03  COL-80-1             PICTURE X.
    02  CARD-TYPE-2 REDEFINES CARD-TYPE-1.
        03  UPDATE-CODE-3                          PICTURE 99.
        03  UPDATE-CODE-5 REDEFINES UPDATE-CODE-3.
            04  UPDATE-CODE-1 PICTURE X OCCURS 2 TIMES.
        03  CARD-CODE-2          PICTURE X.
        03  FIELD-VAL            PICTURE X(62).
        03  DATE-OF-UPDATE       PICTURE X(6).
        03  DAT-OF-UP REDEFINES DATE-OF-UPDATE PICTURE X
                     OCCURS 6 TIMES.
01  STUDENT-RECORD.
    02  DELETE-CODE              PICTURE X.
    02  ID-NO-3                  PICTURE X(9).
    02  TYPE-CODE-1              PICTURE X.
    02  RECORD-TYPE-1.
        03  RECORD-BLOCK PICTURE X(69) OCCURS 9 TIMES.
    02  RECORD-TYPE-2 REDEFINES RECORD-TYPE-1.
        03  L-NAME-1             PICTURE X(12).
        03  F-NAME-1             PICTURE X(10).
        03  M-I-1                PICTURE X(01).
        03  EMPL-1               PICTURE X(01).
        03  OCC-1                PICTURE X(15).
        03  O-E-CODE-1           PICTURE X(07).
        03  JOB-TITLE-1          PICTURE X(13).
        03  HRS-DAY-1            PICTURE X(04).
        03  SALARY-1             PICTURE X(04).
        03  SEX-1                PICTURE X(01).
        03  RACE-1               PICTURE X(01).
        03  S-ADD-1              PICTURE X(21).
        03  S-CIT-1              PICTURE X(11).
        03  S-STA-1              PICTURE X(05).
        03  S-ZIP-1              PICTURE X(05).
        03  S-ARC-1              PICTURE X(03).
        03  S-PHN-1              PICTURE X(07).
        03  BIRTH-DATE-1         PICTURE X(06).
        03  DATE-REC-1           PICTURE X(06).
        03  CRS-CNT-1            PICTURE 9(02).
        03  FILLER               PICTURE X(03).
        03  P-ADD-1              PICTURE X(21).
        03  P-CIT-1              PICTURE X(11).
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               03  P-STA-1               PICTURE X(05).
               03  P-ZIP-1               PICTURE X(05).
               03  P-ARC-1               PICTURE X(03).
               03  P-PHN-1               PICTURE X(07).
               03  REMARK-1              PICTURE X(17).
               03  E-ADD-1               PICTURE X(21).
               03  E-CIT-1               PICTURE X(11).
               03  E-STA-1               PICTURE X(05).
               03  E-ZIP-1               PICTURE X(05).
               03  E-ARC-1               PICTURE X(03).
               03  E-PHN-1               PICTURE X(07).
               03  E-NAM-1               PICTURE X(17).
               03  CRS-RECORDS OCCURS 5 TIMES.
                   04  VOC-CRS-1         PICTURE X(04).
                   04  D-E-COD-2         PICTURE X(07).
                   04  HRS-CRS-1         PICTURE X(04).
                   04  SCH-ATT-1         PICTURE X(03).
                   04  GRADE-1           PICTURE X(02).
                   04  VOC-TEACH-1       PICTURE X(17).
                   04  DATE-ENT-1        PICTURE X(04).
                   04  DATE-EXIT-1       PICTURE X(04).
                   04  REASON-EXIT-1     PICTURE X(04).
                   04  REMARK-2          PICTURE X(20).
       01  F-U-STUDENT-RECORD.
           02  DELETE-CODE-5             PICTURE X.
           02  ID-NO-5                   PICTURE X(9).
           02  TYPE-CODE-5               PICTURE X.
           02  RECORD-TYPE-5.
               03  RECORD-BLOCK-5 PICTURE X(69) OCCURS 9 TIMES.
           02  RECORD-TYPE-6 REDEFINES RECORD-TYPE-5.
               03  L-NAME-2              PICTURE X(12).
               03  F-NAME-2              PICTURE X(10).
               03  M-I-2                 PICTURE X(01).
               03  EMPL-2                PICTURE X(01).
               03  OCC-2                 PICTURE X(15).
               03  D-E-CODE-2            PICTURE X(07).
               03  JOB-TITLE-2           PICTURE X(12).
               03  HRS-DAY-2             PICTURE X(05).
               03  SALARY-2              PICTURE X(04).
               03  SEX-2                 PICTURE X(01).
               03  RACE-2                PICTURE X(01).
               03  L-NAME-3              PICTURE X(12).
               03  F-NAME-3              PICTURE X(10).
               03  M-I-3                 PICTURE X(01).
               03  SALARY-3              PICTURE X(04).
               03  NO-OF-EMPL-2          PICTURE X(03).
               03  YEAR-OF-1ST-ENTRY     PICTURE X(02).
               03  REMARK-3              PICTURE X(35).
               03  CRS-CNT-2             PICTURE 9(02).
               03  S-ADD-2               PICTURE X(21).
               03  S-CIT-2               PICTURE X(11).
               03  S-STA-2               PICTURE X(05).
               03  S-ZIP-2               PICTURE X(05).
               03  S-ARC-2               PICTURE X(03).
               03  S-PHN-2               PICTURE X(07).
               03  BIRTH-DATE-2          PICTURE X(06).
               03  DATE-REC-2            PICTURE X(06).
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                03  STEP-ENCR-2         PICTURE X(01).
                03  FILLER              PICTURE X(04).
                03  E-ADD-2             PICTURE X(21).
                03  E-CIT-2             PICTURE X(11).
                03  E-STA-2             PICTURE X(05).
                03  E-ZIP-2             PICTURE X(05).
                03  E-ARC-2             PICTURE X(03).
                03  E-PHN-2             PICTURE X(07).
                03  E-NAM-2             PICTURE X(17).
                03  CRS-RECORDS-2 OCCURS 5 TIMES.
                    04  VOC-CRS-2       PICTURE X(04).
                    04  C-E-COD-3       PICTURE X(07).
                    04  HRS-CRS-2       PICTURE X(04).
                    04  SCT-ATT-2       PICTURE X(03).
                    04  GRADE-2         PICTURE X(02).
                    04  VOC-TEACH-2     PICTURE X(17).
                    04  DATE-EXIT-2     PICTURE X(04).
                    04  REASON-EXIT-2   PICTURE X(04).
                    04  VOC-Y-N-2       PICTURE X(01).
                    04  HRS-COMPL-2     PICTURE X(04).
                    04  PER-CEN-COM-2   PICTURE X(03).
                    04  POST-EXIT-ACT-2 PICTURE X(04).
                    04  DATE-ENT-2      PICTURE X(04).
                    04  FILLER          PICTURE X(08).
        01  TEMP-SAVE PICTURE X(650).
        01  REDEF-FIELDS.
            02  REDEF-1 PICTURE XX.
            02  REDEF-2 REDEFINES REDEF-1 PICTURE 99.
            02  REDEF-3 REDEFINES REDEF-1 PICTURE X OCCURS 2 TIMES.
        01  NAME-FIELDS.
            02  L-N-X.
                03  L-N-Y PICTURE X OCCURS 13 TIMES.
            02  F-N-X.
                03  F-N-X PICTURE X OCCURS 11 TIMES.
        01  ERROR-FLAG PICTURE 9 VALUE ZERO.
        PROCEDURE DIVISION.
        START-PROGRAM.
            CALL 'SPIE'.
            OPEN INPUT INPUT-CARDS.
            OPEN OUTPUT PRESORT-FILE.
        TEST-UPDATES-LOOP.
            MOVE 0 TO ERROR-FLAG.
            READ INPUT-CARDS INTO SORTIN-RECORD AT END GO TO SORT-EM.
            WRITE SORTIN-RECORD.
            GO TO TEST-UPDATES-LOOP.
        SORT-EM.
            CLOSE INPUT-CARDS.
            CLOSE PRESORT-FILE.
            SORT SORT-DISC ASCENDING FIELD-1 FIELD-5 FIELD-4 FIELD-2
                USING PRESORT-FILE GIVING POSTSRT-FILE.
            OPEN INPUT POSTSRT-FILE.
            OPEN INPUT MAST-IN.
            OPEN OUTPUT MAST-OUT.
        READ-LOOP-0.
            READ MAST-IN INTO STUDENT-RECORD AT END GO TO LAST-IN.
        READ-LOOP-1.
            READ POSTSRT-FILE INTO CHANGE-CARDS AT END GO TO LAST-CHG.
```

```
ID-NO-CHK.
    IF ID-NO-1 > ID-NO-3 GO TO NEXT-MAST-WRITE.
    IF ID-NO-1 = ID-NO-3 GO TO CHANGE-ONE.
    DISPLAY ' STUDENT NOT FOUND ', CHANGE-CARDS.
    GO TO READ-LOOP-1.
NEXT-MAST-WRITE.
    WRITE MAST-OUT-REC FROM STUDENT-RECORD.
    READ  MAST-IN INTO STUDENT-RECORD AT END GO TO LAST-IN.
    GO TO ID-NO-CHK.
CHANGE-ONE.
    IF TYPE-CODE-1 = '2' DISPLAY ' RECORD ALREADY FOLLOW-UP ',
       CHANGE-CARDS GO TO READ-LOOP-1.
    MOVE ' ' TO F-U-STUDENT-RECORD.
    MOVE ID-NO-3 TO ID-NO-5.
    MOVE '2' TO TYPE-CODE-5.
    MOVE RECORD-BLOCK (1) TO RECORD-BLOCK-5 (1).
    MOVE RECORD-BLOCK (2) TO RECORD-BLOCK-5 (3).
    MOVE RECORD-BLOCK (4) TO RECORD-BLOCK-5 (4).
    MOVE RECORD-BLOCK (5) TO RECORD-BLOCK-5 (5).
    MOVE RECORD-BLOCK (6) TO RECORD-BLOCK-5 (6).
    MOVE RECORD-BLOCK (7) TO RECORD-BLOCK-5 (7).
    MOVE RECORD-BLOCK (8) TO RECORD-BLOCK-5 (8).
    MOVE RECORD-BLOCK (9) TO RECORD-BLOCK-5 (9).
    MOVE HRS-DAY-1 TO HRS-DAY-2.
    MOVE ' ' TO STEP-ENCR-2.
    MOVE CRS-CNT-1 TO CRS-CNT-2.
    MOVE REMARK-1 TO REMARK-3.
    MOVE UPDATE-CODE-5 TO YEAR-OF-1ST-ENTRY.
    PERFORM CRS-FIX-UP VARYING I FROM 1 BY 1 UNTIL
          I > CRS-CNT-2.
    MOVE F-U-STUDENT-RECORD TO STUDENT-RECORD.
    PERFORM DISPLAY-CHANGED-STUD.
    WRITE MAST-OUT-REC FROM STUDENT-RECORD.
    GO TO READ-LOOP-0.
CRS-FIX-UP.
    COMPUTE L = I + 4.
    MOVE 'Y' TO VOC-Y-N-2 (L).
    MOVE DATE-EXIT-1 (L)   TO DATE-EXIT-2   (L).
    MOVE DATE-ENT-1     (L) TO DATE-ENT-2    (L).
    MOVE REASON-EXIT-1 (L) TO REASON-EXIT-2 (L).
DISPLAY-CHANGED-STUD.
    DISPLAY ' THIS IS A NEW FOLLOW-UP RECORD ', ID-NO-3.
    DISPLAY ' THE FOLLOWING ARE THE RECORDS FOR THIS STUDENT'.
    PERFORM DISPLAY-X-X VARYING I FROM 1 BY 1 UNTIL I > 9.
DISPLAY-X-X.
    DISPLAY '    ', RECORD-BLOCK (I).
LAST-CHG.
    WRITE MAST-OUT-REC FROM STUDENT-RECORD.
    READ MAST-IN INTO STUDENT-RECORD AT END GO TO LAST-IN.
    GO TO LAST-CHG.
LAST-IN.
    CLOSE MAST-IN.
    CLOSE MAST-OUT.
    STOP RUN.
```

Move 'b' to HRS-COMPL-2 (L)
Move 'b' to PER-CEN-COM-2 (L)
Move 'b' to POST-EXIT-ACT-2 (L)

change title

6

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*STATISTICS*     SOURCE RECORDS =   279     DATA DIVISION STATEMENTS =   170     PROCEDURE DIVISION STATEMENTS =    68
*OPTIONS IN EFFECT*     SIZE =  108000  BUF =    9288  LINECNT = 57  SPACE1, FLAGW,   SEQ,   SOURCE
*OPTIONS IN EFFECT*     NODMAP, NOPMAP, NOCLIST,   SUPMAP, NOXREF,   LOAD, NODECK, APOST, NOTRUNC
```

```
F44-L  EL LINKAGE EDITOR OPTIONS SPECIFIED MAP,LIST
          VARIABLE OPTIONS USED - SIZE=(65536,20480)              DEFAULT OPTION(S) USED

                                                   MODULE MAP

 CONTROL SECTION                         ENTRY

   NAME     ORIGIN  LENGTH                 NAME    LOCATION     NAME   LOCATION     NAME   LOCATION     NAME   LOCATION

 BRYANUP        00    1D04
 ILBODSPO*    1DD8     6F8
 ILBOSRTO*    2400     3D4
 ILBOSTPO*    27D8      35
                                        ILBOSTP1     27EE
 SPIE     *   2810     564

ENTRY ADDRESS        00
TOTAL LENGTH       2D78

****CHANGE    DOES NOT EXIST BUT HAS BEEN ADDED TO DATA SET
```

BRYAN PUBLIC SCHOOLS FOLLOW-UP SUMMARY PROGRAMS

The purpose of these programs is to generate one page summaries of the follow-up student activities after leaving the vocational program as related to the course or program they were enrolled in while active students. Four separate computer programs have been developed:

1- A computer program for printing an overall summary of data on all former vocational students in the follow-up program.

2- A computer program for printing an overall summary of data on all former vocational students in the follow-up program by year students exited the Vocational Education Program.

3- A computer program for printing an overall summary of data on only former vocational students in the follow-up program who have exited the local school system.

4- A computer program for printing an overall summary of data on only former students in the follow-up program who have exited the local school system by year students exited.

To accomplish this the current master tape is read and each follow-up student record is analyzed. Totals are collected in an array named FOLK-COUNT. After the last student has been processed averages and percentages are computed.

After all computations have been completed the results are formatted; utilizing the COBOL edit feature, and then printed.

The only data card this program uses is a date card with the date in Col. 1-8. This date will print on the report.

COMPUTER PROGRAM FOR

PRINTING A OVERALL SUMMARY

OF INFORMATION

ON ALL VOCATIONAL STUDENTS

IN THE FOLLOW-UP PROGRAM

```
//JCRF9     JOB (10374,201-B,003,005,BH),'JCRF TEST SUMMARY'                          JOB 572
***CLASS        A
// EXEC COBUCL
XXCOB     EXEC  PGM=IKFCBL00,REGION=110K                                               00020000
XXSYSPRINT  DD SYSOUT=A                                                                00040000
XXSYSPUNCH DD SYSOUT=B                                                                 00060000
XXSYSUT1 DD UNIT=DISK,SPACE=(460,(700,100))                                            00080000
XXSYSUT2     DD UNIT=SYSDA,SPACE=(460,(700,100))                                       00100000
XXSYSUT3     DD UNIT=SYSDA,SPACE=(460,(700,100))                                       00120000
XXSYSUT4     DD UNIT=SYSDA,SPACE=(460,(700,100))                                       00140000
XXSYSLIN     DD DSNAME=&&LOADSET,DISP=(MOD,PASS),UNIT=SYSDA,                          X00160000
XX              SPACE=(80,(900,100))                                                   00180000
//COB.SYSIN DD *
IEF236I ALLOC. FOR JCRF90   COB
IEF237I 611    ALLOCATED TO SYSPRINT
IEF237I 633    ALLOCATED TO SYSPUNCH
IEF237I 131    ALLOCATED TO SYSUT1
IEF237I 170    ALLOCATED TO SYSUT2
IEF237I 390    ALLOCATED TO SYSUT3
IEF237I 171    ALLOCATED TO SYSUT4
IEF237I 390    ALLOCATED TO SYSLIN
IEF237I 652    ALLOCATED TO SYSIN
IEF285I    SYS72252.T141437.RV000.JCRF90.R0000001        DELETED
IEF285I    VOL SER NOS=       .
IEF285I    SYS72252.T141437.RV000.JCRF90.R0000002        DELETED
IEF285I    VOL SER NOS=       .
IEF285I    SYS72252.T141437.RV000.JCRF90.R0000003        DELETED
IEF285I    VOL SER NOS= AAAAAA.
IEF285I    SYS72252.T141437.RV000.JCRF90.R0000004        DELETED
IEF285I    VOL SER NOS= DUPLCO.
IEF285I    SYS72252.T141437.RV000.JCRF90.R0000005        DELETED
IEF285I    VOL SER NOS= 777777.
IEF285I    SYS72252.T141437.RV000.JCRF90.R0000006        DELETED
IEF285I    VOL SER NOS= DUBL01.
IEF285I    SYS72252.T141437.RV000.JCRF90.LOADSET         PASSED
IEF285I    VOL SER NOS= 777777.
IEF285I    SYS72252.T141437.RV000.JCRF90.R0000007        DELETED
IEF285I    VOL SER NOS=       .
TAM001I STEP /COB/ MAXIMUM CORE USED = 98K, EXECUTE TIME = 0.42
XXLKED       EXEC  PGM=IEWL,COND=(5,LT,COB),PARM='MAP,LIST',REGION=96K         00200000
XXSYSPRINT   DD SYSOUT=A                                                       00220000
//LKED.SYSLMOD DD DSN=USER.BHS.FOREHAND.JOBLIB(SUMMAR),DISP=SHR
X/SYSLMOD    DD DSNAME=&&GODATA(RUN),DISP=(NEW,PASS),                         X00240000
XX              UNIT=SYSDA,SPACE=(1024,(100,20,1))                             00260000
XXSYSLIB     DD  DSN=SYS1.COBLIB,DISP=SHR                                      00280000
XX           DD  DSNAME=SYS1.PPCLIB,DISP=SHR                                   00300000
XX DD DSN=SYS1.COBLIB,DISP=SHR                                                 00320000
XXSYSUT1 DD UNIT=DISK,SPACE=(1024,(50,20))                                     00340000
XXSYSLIN     DD DSNAME=&&LOADSET,DISP=(OLD,DELETE)                             00360000
XX           DD DDNAME=SYSIN                                                   00380000
//
IEF236I ALLOC. FOR JCRF90   LKED
IEF237I 611    ALLOCATED TO SYSPRINT
IEF237I 255    ALLOCATED TO SYSLMOD
IEF237I 130    ALLOCATED TO SYSLIB
IEF237I 393    ALLOCATED TO
IEF237I 130    ALLOCATED TO
IEF237I 131    ALLOCATED TO SYSUT1
IEF237I 390    ALLOCATED TO SYSLIN
IEF285I    SYS72252.T141437.RV000.JCRF90.R0000008        DELETED
IEF285I    VOL SER NOS=       .
```

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IEF285I   USER.BHS.FOREHAND.JOBLIB                          KEPT
IEF285I   VOL SER NOS= RRRRRR.
IEF285I   SYS1.COBLIB                                       KEPT
IEF285I   VOL SER NOS= SYSRES.
IEF285I   SYS1.DPCLIB                                       KEPT
IEF285I   VOL SER NOS= 444444.
IEF285I   SYS1.COBLIB                                       KEPT
IEF285I   VOL SER NOS= SYSRES.
IEF285I   SYS72252.T141437.RV000.JCRF90.R0000009            DELETED
IEF285I   VOL SER NOS= AAAAAA.
IEF285I   SYS72252.T141437.RV000.JCRF90.LOADSET             DELETED
IEF285I   VOL SER NOS= 777777.
TAM001I STEP /LKED/ MAXIMUM CORE USED = 94K, EXECUTE TIME = 0.17
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IDENTIFICATION DIVISION.
PROGRAM-ID. 'BRYANUP'.
AUTHOR.  JCRF.
DATE-WRITTEN. MARCH 1972.
INSTALLATION. TEXAS A & M UNIVERSITY.
ENVIRONMENT DIVISION.
CONFIGURATION SECTION.
SOURCE-COMPUTER. IBM-360-I65.
OBJECT-COMPUTER. IBM-360-I65.
INPUT-OUTPUT SECTION.
FILE-CONTROL.
    SELECT INPUT-CARDS ASSIGN TO UT-S-READER.
    SELECT PRINT-OUTS  ASSIGN TO UT-S-PRINTER.
    SELECT MAST-IN      ASSIGN TO UT-2400-S-MASTIN.
DATA DIVISION.
FILE SECTION.
FD  INPUT-CARDS RECORDING MODE IS F LABEL RECORDS ARE OMITTED
    DATA RECORD IS INPUT-RECORD.
01  INPUT-RECORD.
    02  IN-X-TEST PICTURE X OCCURS 80 TIMES.
FD  PRINT-OUTS RECORDING MODE F LABEL RECORDS ARE OMITTED
               DATA RECORD IS PRINT-RECORD, REPORT-OUT.
01  PRINT-RECORD PICTURE X(132).
01  REPORT-OUT PICTURE X(132).
FD  MAST-IN RECORDING MODE F LABEL RECORDS ARE STANDARD
      BLOCK CONTAINS 0 RECORDS RECORD CONTAINS 650 CHARACTERS
      DATA RECORD IS MAST-IN-REC.
01  MAST-IN-REC PICTURE X(650).
WORKING-STORAGE SECTION.
77  FIND-W-S  PICTURE X(60) VALUE 'BRYAN H S WORKING STORAGE '.
77  NO-READ      PICTURE  9(6) VALUE ZERO.
77  NO-WRITTEN   PICTURE  9(6) VALUE ZERO.
77  NO-CHANGES   PICTURE  9(6) VALUE ZERO.
77  NO-ADDS      PICTURE  9(6) VALUE ZERO.
77  I            PICTURE  S99 COMPUTATIONAL VALUE ZERO.
77  J            PICTURE  S99 COMPUTATIONAL VALUE ZERO.
77  K            PICTURE  S99 COMPUTATIONAL VALUE ZERO.
77  L            PICTURE  S99 COMPUTATIONAL VALUE ZERO.
77  M            PICTURE  S99 COMPUTATIONAL VALUE ZERO.
77  N            PICTURE  S99 COMPUTATIONAL VALUE ZERO.
77  A            PICTURE  S99 COMPUTATIONAL VALUE ZERO.
77  CHNG-EOF-FLG PICTURE 9 VALUE 0.
01  OLD-YR-F-U PICTURE XX VALUE ' '.
01  OLD-CAMPUS-CODE PICTURE XXX VALUE ' '.
01  CHANGE-CARDS.
    02  ID-NO-1                  PICTURE X(9).
    02  ID-NO-2 REDEFINES ID-NO-1 PICTURE X OCCURS 9 TIMES.
    02  CARD-TYPE-1.
        03  CARD-CODE-1          PICTURE X.
        03  CRD-CD-X REDEFINES CARD-CODE-1 PICTURE 9.
        03  CARD-CHNG-1          PICTURE X(69).
        03  COL-80-1             PICTURE X.
    02  CARD-TYPE-2 REDEFINES CARD-TYPE-1.
        03  CARD-CODE-2          PICTURE X.
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           03  UPDATE-CODE-3                          PICTURE 99.
           03  UPDATE-CODE-5 REDEFINES UPDATE-CODE-3.
               04  UPDATE-CODE-1 PICTURE X OCCURS 2 TIMES.
           03  FIELD-VAL              PICTURE X(62).
           03  DATE-OF-UPDATE         PICTURE X(6).
           03  DAT-OF-UP REDEFINES DATE-OF-UPDATE PICTURE X
                          OCCURS 6 TIMES.
       01  STUDENT-RECORD.
         02  DELETE-CODE              PICTURE X.
         02  ID-NO-3                  PICTURE X(9).
         02  TYPE-CODE-1              PICTURE X.
         02  RECORD-TYPE-1.
           03  RECORD-BLOCK PICTURE X(69) OCCURS 9 TIMES.
         02  RECORD-TYPE-2 REDEFINES RECORD-TYPE-1.
           03  L-NAME-1               PICTURE X(12).
           03  F-NAME-1               PICTURE X(10).
           03  M-I-1                  PICTURE X(01).
           03  EMPL-1                 PICTURE X(01).
           03  OCC-1                  PICTURE X(15).
           03  O-E-CODE-1             PICTURE X(07).
           03  JOB-TITLE-1            PICTURE X(13).
           03  HRS-DAY-1              PICTURE X(04).
           03  SALARY-1               PICTURE X(04).
           03  SEX-1                  PICTURE X(01).
           03  RACE-1                 PICTURE X(01).
           03  S-ADD-1                PICTURE X(21).
           03  S-CIT-1                PICTURE X(11).
           03  S-STA-1                PICTURE X(05).
           03  S-ZIP-1                PICTURE X(05).
           03  S-ARC-1                PICTURE X(03).
           03  S-PHN-1                PICTURE X(07).
           03  BIRTH-DATE-1           PICTURE X(06).
           03  DATE-REC-1             PICTURE X(06).
           03  CRS-CNT-1              PICTURE 9(02).
           03  FILLER                 PICTURE X(03).
           03  P-ADD-1                PICTURE X(21).
           03  P-CIT-1                PICTURE X(11).
           03  P-STA-1                PICTURE X(05).
           03  P-ZIP-1                PICTURE X(05).
           03  P-ARC-1                PICTURE X(03).
           03  P-PHN-1                PICTURE X(07).
           03  REMARK-1               PICTURE X(17).
           03  E-ADD-1                PICTURE X(21).
           03  E-CIT-1                PICTURE X(11).
           03  E-STA-1                PICTURE X(05).
           03  E-ZIP-1                PICTURE X(05).
           03  E-ARC-1                PICTURE X(03).
           03  E-PHN-1                PICTURE X(07).
           03  E-NAM-1                PICTURE X(17).
           03  CRS-RECORDS OCCURS 5 TIMES.
               04  VOC-CRS-1          PICTURE X(04).
               04  O-E-COD-2          PICTURE X(07).
               04  HRS-CRS-1          PICTURE X(04).
               04  SCH-ATT-1          PICTURE X(03).
               04  GRADE-1            PICTURE X(02).
               04  VOC-TEACH-1        PICTURE X(17).
               04  DATE-ENT-1         PICTURE X(04).
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                  04  DATE-EXIT-1       PICTURE X(04).
                  04  REASON-EXIT-1     PICTURE X(04).
                  04  REMARK-2          PICTURE X(20).
          02  RECORD-TYPE-3 REDEFINES RECORD-TYPE-1.
              03  L-NAME-2              PICTURE X(12).
              03  F-NAME-2              PICTURE X(10).
              03  M-I-2                 PICTURE X(01).
              03  EMPL-2                PICTURE X(01).
              03  OCC-2                 PICTURE X(15).
              03  O-E-CODE-2            PICTURE X(07).
              03  JOB-TITLE-2           PICTURE X(12).
              03  HRS-DAY-2             PICTURE X(05).
              03  SALARY-2              PICTURE X(04).
              03  SEX-2                 PICTURE X(01).
              03  RACE-2                PICTURE X(01).
              03  L-NAME-3              PICTURE X(12).
              03  F-NAME-3              PICTURE X(10).
              03  M-I-3                 PICTURE X(01).
              03  SALARY-3              PICTURE X(04).
              03  NO-OF-EMPL-2          PICTURE X(03).
              03  YEAR-OF-1ST-ENTRY     PICTURE X(02).
              03  REMARK-3              PICTURE X(35).
              03  CRS-CNT-2             PICTURE 9(02).
              03  S-ADD-2               PICTURE X(21).
              03  S-CIT-2               PICTURE X(11).
              03  S-STA-2               PICTURE X(05).
              03  S-ZIP-2               PICTURE X(05).
              03  S-ARC-2               PICTURE X(03).
              03  S-PHN-2               PICTURE X(07).
              03  BIRTH-DATE-2          PICTURE X(06).
              03  DATE-REC-2            PICTURE X(06).
              03  STEP-ENCR-2           PICTURE X(01).
              03  FILLER                PICTURE X(04).
              03  E-ADD-2               PICTURE X(21).
              03  E-CIT-2               PICTURE X(11).
              03  E-STA-2               PICTURE X(05).
              03  E-ZIP-2               PICTURE X(05).
              03  E-ARC-2               PICTURE X(03).
              03  E-PHN-2               PICTURE X(07).
              03  E-NAM-2               PICTURE X(17).
              03  CRS-RECORDS-2 OCCURS 5 TIMES.
                  04  VOC-CRS-2         PICTURE X(04).
                  04  O-E-COD-3         PICTURE X(07).
                  04  HRS-CRS-2         PICTURE X(04).
                  04  SCT-ATT-2         PICTURE X(03).
                  04  GRADE-2           PICTURE X(02).
                  04  VOC-TEACH-2       PICTURE X(17).
                  04  DATE-EXIT-2       PICTURE X(04).
                  04  REASON-EXIT-2     PICTURE X(04).
                  04  VOC-Y-N-2         PICTURE X(01).
                  04  HRS-COMPL-2       PICTURE X(04).
                  04  PER-CEN-COM-2     PICTURE X(03).
                  04  POST-EXIT-ACT-2 PICTURE X(04).
                  04  DATE-ENT-2        PICTURE X(04).
                  04  FILLER            PICTURE X(08).
       01  REPORT-TYPE-FLAGS.
           02  DATE-OF-REPORT PICTURE X(8).
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           02  TYPE-OF-REPORT PICTURE 9.
       01  REDEF-FIELDS.
           02  REDEF-1 PICTURE XX.
           02  REDEF-2 REDEFINES REDEF-1 PICTURE 99.
           02  REDEF-3 REDEFINES REDEF-1 PICTURE X OCCURS 2 TIMES.
       01  NAME-FIELDS.
           02  L-N-X.
               03  L-N-Y PICTURE X OCCURS 13 TIMES.
           02  F-N-X.
               03  F-N-X PICTURE X OCCURS 11 TIMES.
       01  ERROR-FLAG PICTURE 9 VALUE ZERO.
       01  OLD-CAMPUS-CD      PICTURE X(03) VALUE ' '.
       01  OLD-VOC-CRS-CD     PICTURE X(04) VALUE ' '.
       01  OLD-INSTR-NAME     PICTURE X(17) VALUE ' '.
       01  SQUEEZ-FIELDS.
           02  SQ-FIELD-A     PICTURE X(21).
           02  SQ-FIELD-1 REDEFINES SQ-FIELD-A.
               03  SQ-ZONE-I PICTURE X OCCURS 21  TIMES.
           02  SQ-FIELD-B     PICTURE X(21).
           02  SQ-FIELD-2 REDEFINES SQ-FIELD-B.
               03  SQ-ZONE-J PICTURE X OCCURS 21  TIMES.
           02  SQ-FIELD-C     PICTURE X(21).
           02  SQ-FIELD-3 REDEFINES SQ-FIELD-C.
               03  SQ-ZONE-K PICTURE X OCCURS 21  TIMES.
           02  SQ-FIELD-D     PICTURE X(21).
           02  SQ-FIELD-4 REDEFINES SQ-FIELD-D.
               03  SQ-ZONE-L PICTURE X OCCURS 21  TIMES.
       01  LINE-COUNT PICTURE 99 VALUE 13.
       01  CAMPUS-LIST.
           02  C-LIST-1  PICTURE X(50) VALUE
               '000EDUCATIONAL SERVICE CENTER                     '.
           02  C-LIST-2  PICTURE X(50) VALUE
               '002STEPHAN F AUSTIN                               '.
           02  C-LIST-3  PICTURE X(50) VALUE
               '001BRYAN HIGH                                     '.
           02  C-LIST-4  PICTURE X(50) VALUE
               '041ANSON JONES                                    '.
           02  C-LIST-5  PICTURE X(50) VALUE
               '042LAMAR                                          '.
           02  C-LIST-6  PICTURE X(50) VALUE
               '111NEAL                                           '.
           02  C-LIST-7  PICTURE X(50) VALUE
               '101BONHAM                                         '.
           02  C-LIST-8  PICTURE X(50) VALUE
               '102BOWIE                                          '.
           02  C-LIST-9  PICTURE X(50) VALUE
               '103CARVER-KEMP                                    '.
           02  C-LIST-10 PICTURE X(50) VALUE
               '104CROCKETT                                       '.
           02  C-LIST-11 PICTURE X(50) VALUE
               '105FANNIN                                         '.
           02  C-LIST-12 PICTURE X(50) VALUE
               '106MILAM                                          '.
           02  C-LIST-13 PICTURE X(50) VALUE
               '107ROSS                                           '.
           02  C-LIST-14 PICTURE X(50) VALUE
               '108TRAVIS                                         '.
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    02  C-LIST-15 PICTURE X(50) VALUE
         '109WASHINGTON CAMPUS                    '.
    02  C-LIST-16 PICTURE X(50) VALUE
         '110HENDERSON                            '.
    02  C-LIST-17 PICTURE X(50) VALUE
         '200LIBRARY PROCESSING CENTER            '.
    02  C-LIST-18 PICTURE X(50) VALUE
         '201WAREHOUSE                            '.
01  CAMPUS-LIST-2 REDEFINES CAMPUS-LIST.
    02  C-LST-X OCCURS 18 TIMES.
        03  CAMP-CODE PICTURE XXX.
        03  CAMP-NAME PICTURE X(47).
01  VOC-PROGRAM.
    02  VOC-PROG-1   PICTURE X(50) VALUE
         'COAGCOOPERATIVE AGRICULTURE                       '.
    02  VOC-PROG-2   PICTURE X(50) VALUE
         'VOAGVOCATIONAL AGRICULTURE                        '.
    02  VOC-PROG-3   PICTURE X(50) VALUE
         'AMECAUTO MECHANICS                                '.
    02  VOC-PROG-4   PICTURE X(50) VALUE
         'BLTDBUILDING TRADES                               '.
    02  VOC-PROG-5   PICTURE X(50) VALUE
         'CSMGCOSMETOLOGY                                   '.
    02  VOC-PROG-6   PICTURE X(50) VALUE
         'CVAECOORDINATED VOC. ACADEMIC TRAINING            '.
    02  VOC-PROG-7   PICTURE X(50) VALUE
         'DETRDISTRIBUTED EDUCATION TRAINING                '.
    02  VOC-PROG-8   PICTURE X(50) VALUE
         'DPTRDATA PROCESSING TRAINING                      '.
    02  VOC-PROG-9   PICTURE X(50) VALUE
         'ICTRINDUSTRIAL COOPERATIVE TRAINING               '.
    02  VOC-PROG-10  PICTURE X(50) VALUE
         'HECEHOME ECONOMIC COOPERATIVE EDUCATION           '.
    02  VOC-PROG-11  PICTURE X(50) VALUE
         'HOCTHEALTH OCCUPATIONS COOPERATIVE TRAINING       '.
    02  VOC-PROG-12  PICTURE X(50) VALUE
         'PELBPRE EMPLOYMENT LAB                            '.
    02  VOC-PROG-13  PICTURE X(50) VALUE
         'HMKTHOME MAKING TRAINING                          '.
    02  VOC-PROG-14  PICTURE X(50) VALUE
         'VONRVOCATIONAL NURSE TRAINING                     '.
    02  VOC-PROG-15  PICTURE X(50) VALUE
         'VOEDVOCATIONAL OFFICE EDUCATION                   '.
    02  VOC-PROG-16  PICTURE X(50) VALUE
         'BVAEBUILDING TRADES ACADEMIC EDUCATION            '.
    02  VOC-PROG-17  PICTURE X(50) VALUE
         'HVAEHORTICULTURE ACADEMIC EDUCATION               '.
    02  VOC-PROG-18  PICTURE X(50) VALUE
         'DVAEOFFICE DUPLICATION ACADEMIC EDUCATION         '.
01  VOC-PROGRAM-1 REDEFINES VOC-PROGRAM.
    02  PROG-LIST OCCURS 18 TIMES.
        03  PROG-CODE-X PICTURE XXXX.
        03  PROG-NAME-X PICTURE X(46).
01  NUMBERS-ARRAY.
    02  ACROSS-PAGE OCCURS 14 TIMES.
        03  DOWN-PAGE OCCURS 11 TIMES.
            04  FOLK-COUNT PICTURE 9999.
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                04  PER-CENT   PICTURE 999V99.
            03  TOT-SALARY PICTURE  9(9)V99.
       01  CODE-TEST-SPOT-1.
           02  FIRST-PART-1 PICTURE XX.
           02  PERIOD-1     PICTURE X.
           02  CODE-PART-1  PICTURE XX.
           02  JUNK-PART-1  PICTURE XX.
       01  CODE-TEST-SPOT-2.
           02  FIRST-PART-2 PICTURE XX.
           02  PERIOD-2     PICTURE X.
           02  CODE-PART-2  PICTURE XX.
           02  JUNK-PART-2  PICTURE XX.
       01  SALARY-DECODE.
           02  SAL-1 PICTURE X(6).
           02  SAL-2 REDEFINES SAL-1.
               03  SAL-4 PICTURE X OCCURS 6 TIMES.
           02  SAL-5 REDEFINES SAL-1 PICTURE 9999V99.
           02  SAL-6 REDEFINES SAL-1.
               03  SAL-7 PICTURE XXXX.
               03  SAL-8 PICTURE XX.
       01  HEAD-1.
           02  HEAD-X-1  PICTURE X(25) VALUE
               '1                       '.
           02  HEAD-X-2  PICTURE X(25) VALUE
               '                   B R Y'.
           02  HEAD-X-3  PICTURE X(25) VALUE
               ' A N  P U B L I C  S C H'.
           02  HEAD-X-4  PICTURE X(25) VALUE
               'O O L S                 '.
       01  HEAD-2.
           02  HEAD-X-5  PICTURE X(25) VALUE
               'O                       '.
           02  HEAD-X-6  PICTURE X(25) VALUE
               '                  V O C'.
           02  HEAD-X-7  PICTURE X(25) VALUE
               ' A T I O N A L  E D U C A'.
           02  HEAD-X-8  PICTURE X(25) VALUE
               ' T I O N  D E P A R T M E'.
           02  HEAD-X-9  PICTURE X(25) VALUE
               ' N T                    '.
       01  HEAD-3.
           02  HEAD-X-10 PICTURE X(25) VALUE
               'O                       '.
           02  HEAD-X-11 PICTURE X(25) VALUE
               '                   F O L'.
           02  HEAD-X-12 PICTURE X(25) VALUE
               ' L O W - U P  A S  O F  '.
           02  HEAD-X-13 PICTURE X(25) VALUE  ' '.
       01  HEAD-4.
           02  HEAD-3-1  PICTURE X(26) VALUE ' '.
           02  HEAD-1-1  PICTURE X(50) VALUE
              'A     A     B  T   C  A    C    D  P'  D  E'.
           02  HEAD-2-1  PICTURE X(60) VALUE
              '  H  O     H   I C T  L V N   V A E  V O E     T'.
       01  HEAD-5.
           02  HEAD-3-2  PICTURE X(26) VALUE ' '.
           02  HEAD-1-2  PICTURE X(50) VALUE
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           'G       U       U R    O C    O     A R    I D'.
           02  HEAD-2-2  PICTURE X(60) VALUE
           '  E C      O   N O R   I O U   O C D  O F D    O'.
       01  HEAD-6.
           02  HEAD-3-3  PICTURE X(26) VALUE ' '.
           02  HEAD-1-3  PICTURE X(50) VALUE
           'R      T       I  A    O  A    S     T O    S U'.
           02  HEAD-2-3  PICTURE X(60) VALUE
           '  A  C       M   D O A   C C R   C A U   C F U     T'.
       01  HEAD-7.
           02  HEAD-3-4  PICTURE X(26) VALUE ' '.
           02  HEAD-1-4  PICTURE X(50) VALUE
           'I        D      L  D    P  D     M    A  C     T C'.
           02  HEAD-2-4  PICTURE X(60) VALUE
           '  L  U       E   U P I   E A S   A D C  A I C    A'.
       01  HEAD-8.
           02  HEAD-3-5  PICTURE X(26) VALUE ' '.
           02  HEAD-1-5  PICTURE X(50) VALUE
           'C            D  F    .  F    E        E    R  A'.
           02  HEAD-2-5  PICTURE X(60) VALUE
           '  T  P       M   S E N   N T I   T E A  T C A    L'.
       01  HEAD-9.
           02  HEAD-3-6  PICTURE X(26) VALUE ' '.
           02  HEAD-1-6  PICTURE X(50) VALUE
           'U         M  .  I  S       M     T        S   I T'.
           02  HEAD-2-6  PICTURE X(60) VALUE
           '  H  A       A   T R I   S I N   I M T  I E T    S'.
       01  HEAD-10.
           02  HEAD-3-7  PICTURE X(26) VALUE ' '.
           02  HEAD-1-7  PICTURE X(50) VALUE
           'L        E        N       V  I    O        S   B  I'.
           02  HEAD-2-7  PICTURE X(60) VALUE
           '     T       K   R A N   E O G   O I I  O  I       '.
       01  HEAD-11.
           02  HEAD-3-8  PICTURE X(26) VALUE ' '.
           02  HEAD-1-8  PICTURE X(50) VALUE
           'T        C       G      O  C     L        I   U  O'.
           02  HEAD-2-8  PICTURE X(60) VALUE
           '     I       I   I T G   D N     N C O  N  O        '.
       01  HEAD-12.
           02  HEAD-3-9  PICTURE X(26) VALUE ' '.
           02  HEAD-1-9  PICTURE X(50) VALUE
           'U        H             C        O       N    T  N'.
           02  HEAD-2-9  PICTURE X(60) VALUE
           '     O       N  A I      A       A  N  A' N         '.
       01  HEAD-13.
           02  HEAD-3-10 PICTURE X(26) VALUE ' '.
           02  HEAD-1-10 PICTURE X(50) VALUE
           'R        A          .  E      G        G   I  '.
           02  HEAD-2-10 PICTURE X(60) VALUE
           '     N       G   L V     L       L     L            '.
       01  HEAD-14.
           02  HEAD-3-11 PICTURE X(26) VALUE ' '.
           02  HEAD-1-11 PICTURE X(50) VALUE
           'F        N             D     Y              V  '.
           02  HEAD-2-11 PICTURE X(60) VALUE
           '     S             E                                '.
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       01  HEAD-15.
           02  HEAD-3-12 PICTURE X(25) VALUE ' '.
           02  HEAD-1-12 PICTURE X(50) VALUE
            '          I                        U                   E     '.
           02  HEAD-2-12 PICTURE X(60) VALUE
            '                                                               '.
       01  HEAD-16.
           02  HEAD-3-13 PICTURE X(26) VALUE ' '.
           02  HEAD-1-13 PICTURE X(50) VALUE
            '          C                        C                         '.
           02  HEAD-2-13 PICTURE X(60) VALUE  ' '.
       01  HEAD-17.
           02  HEAD-3-14 PICTURE X(25) VALUE ' '.
           02  HEAD-1-14 PICTURE X(50) VALUE
            '          S                        .                         '.
           02  HEAD-2-14 PICTURE X(60) VALUE  ' '.
       01  HEAD-18.
           02  FILLER PICTURE XX VALUE ' '.
       01  DETAIL-LINE-1-X.
           02  CODE-PLACE-X PICTURE X(18).
           02  CODE-PLACE-P PICTURE X(3) VALUE 'NO.'.
           02  NUM-LINES-X.
             03  NUM-VALS-1-X OCCURS 14 TIMES.
                 04  NUM-VALS-X PICTURE Z(7).
                 04  FILLER PICTURE X.
       01  DETAIL-LINE-2-X.
           02  CODE-PLACE-Y PICTURE X(18).
           02  CODE-PLACE-Q PICTURE XXX VALUE '0/0'.
           02  NUM-LINES-Y.
             03  NUM-VALS-1-Y OCCURS 14 TIMES.
                 04  NUM-VALS-Y PICTURE Z(4)9.9.
                 04  FILLER PICTURE X.
       01  DETAIL-LINES-3-X.
           02  CODE-PLACE-Z PICTURE X(18).
       01  DETAIL-LINES-4-X.
           02  CODE-PLACE-W PICTURE X(21).
           02  NUM-LINES-W.
             03  NUM-VALS-1-W OCCURS 14 TIMES.
                 04  NUM-VALS-W PICTURE $$$,$$9.
                 04  FILLER PICTURE X.
       01  SIDE-MARGINS.
           02  MARGIN-PICTURES.
               03  MARGIN-1  PICTURE X(18) VALUE
            ' TOTAL IN          '.
               03  MARGIN-2  PICTURE X(18) VALUE
            ' FOLLOW-UP         '.
               03  MARGIN-3  PICTURE X(18) VALUE
            '                   '.
               03  MARGIN-4  PICTURE X(18) VALUE
            ' NO STATUS         '.
               03  MARGIN-5  PICTURE X(18) VALUE
            ' KNOWN             '.
               03  MARGIN-6  PICTURE X(18) VALUE
            '                   '.
               03  MARGIN-7  PICTURE X(18) VALUE
            ' ENTERED ARMED     '.
               03  MARGIN-8  PICTURE X(18) VALUE
```

```
           ' FORCES            '.
             03  MARGIN-9  PICTURE X(18) VALUE
           '                   '.
             03  MARGIN-10 PICTURE X(18) VALUE
           ' CONTINUED SCHOOL '.
             03  MARGIN-11 PICTURE X(18) VALUE
           ' FULL TIME         '.
             03  MARGIN-12 PICTURE X(18) VALUE
           '                   '.
             03  MARGIN-13 PICTURE X(18) VALUE
           ' OTHERS NOT IN     '.
             03  MARGIN-14 PICTURE X(18) VALUE
           ' LABOR FORCE       '.
             03  MARGIN-15 PICTURE X(18) VALUE
           '                   '.
             03  MARGIN-16 PICTURE X(18) VALUE
           ' E F IN TRAINED    '.
             03  MARGIN-17 PICTURE X(18) VALUE
           ' M U OCCUPATION    '.
             03  MARGIN-18 PICTURE X(18) VALUE
           ' P L               '.
             03  MARGIN-19 PICTURE X(18) VALUE
           ' L L IN RELATED    '.
             03  MARGIN-20 PICTURE X(18) VALUE
           ' O - OCCUPATION    '.
             03  MARGIN-21 PICTURE X(18) VALUE
           ' Y T               '.
             03  MARGIN-22 PICTURE X(18) VALUE
           ' E I IN OTHER      '.
             03  MARGIN-23 PICTURE X(18) VALUE
           ' D M OCCUPATION    '.
             03  MARGIN-24 PICTURE X(18) VALUE
           '   E               '.
             03  MARGIN-25 PICTURE X(18) VALUE
           ' EMPLOYED          '.
             03  MARGIN-26 PICTURE X(18) VALUE
           ' PART TIME         '.
             03  MARGIN-27 PICTURE X(18) VALUE
           '                   '.
             03  MARGIN-28 PICTURE X(18) VALUE
           ' UNEMPLOYED        '.
             03  MARGIN-29 PICTURE X(18) VALUE
           ' SEEKING           '.
             03  MARGIN-30 PICTURE X(18) VALUE
           ' EMPLOYMENT        '.
             03  MARGIN-31 PICTURE X(18) VALUE
           ' AVERAGE           '.
             03  MARGIN-32 PICTURE X(18) VALUE
           ' SALARY            '.
             03  MARGIN-33 PICTURE X(18) VALUE
           ' PER MONTH         '.
          02  MARGIN-X REDEFINES MARGIN-PICTURES.
             03  MARGIN-Y OCCURS 33 TIMES PICTURE X(18).
       01  EXTRA-CNTS-JCRF.
          02  EXTRA-CNT-JC-1 OCCURS 14 TIMES PICTURE 9999.
       PROCEDURE DIVISION.
       START-PROGRAM.
```

```
           CALL 'SPIF'.
           OPEN INPUT INPUT-CARDS.
           READ INPUT-CARDS INTO REPORT-TYPE-FLAGS AT END
             MOVE 'CURRENT' TO REPORT-TYPE-FLAGS.
           CLOSE INPUT-CARDS.
           OPEN OUTPUT PRINT-OUTS.
           OPEN INPUT MAST-IN.
           MOVE ' ' TO DETAIL-LINE-2-X.
           MOVE ' ' TO DETAIL-LINE-1-X.
           MOVE ' ' TO DETAIL-LINES-4-X.
           PERFORM ZRO-ARRAY VARYING I FROM 1 BY 1 UNTIL I   14.
       BIG-LOOP.
           READ MAST-IN INTO STUDENT-RECORD AT END GO TO LAST-IN.
           IF TYPE-CODE-1 = '1' GO TO BIG-LOOP.
           PERFORM COUNTS-CRS VARYING L FROM 1 BY 1 UNTIL L   CRS-CNT-2.
           GO TO BIG-LOOP.
       ZRO-ARRAY.
           PERFORM ZRO-ARR-2 VARYING L FROM 1 BY 1 UNTIL L   11.
           MOVE ZERO TO TOT-SALARY (I).
           MOVE ZERO TO EXTRA-CNT-JC-1 (I).
       ZRO-ARR-2.
           MOVE ZERO TO FOLK-COUNT (I, L).
           MOVE ZERO TO PER-CENT   (I, L).
       COUNTS-CRS SECTION.
           COMPUTE I = L.
           MOVE ZERO TO J.
           COMPUTE A = L + 4.
           IF RECORD-BLOCK (A) = SPACES GO TO CNT-SECT-RTN.
           IF VOC-Y-N-2 (I) = 'N' GO TO CNT-SECT-RTN.
           IF VOC-CRS-2 (I) = 'CVAE' MOVE 4 TO J GO TO FIND-DOWN.
           IF VOC-CRS-2 (I) = 'ICTR' MOVE 10 TO J GO TO FIND-DOWN.
           IF VOC-CRS-2 (I) = 'BVAE' MOVE 12 TO J GO TO FIND-DOWN.
           IF VOC-CRS-2 (I) = 'HVAE' MOVE 12 TO J GO TO FIND-DOWN.
           IF VOC-CRS-2 (I) = 'DVAE' MOVE 12 TO J GO TO FIND-DOWN.
           IF VOC-CRS-2 (I) = 'VAED' MOVE 12 TO J GO TO FIND-DOWN.
           IF VOC-CRS-2 (I) = 'COAG' MOVE  1 TO J GO TO FIND-DOWN.
           IF VOC-CRS-2 (I) = 'VOAG' MOVE  1 TO J GO TO FIND-DOWN.
           IF VOC-CRS-2 (I) = 'AFEC' MOVE  2 TO J GO TO FIND-DOWN.
           IF VOC-CRS-2 (I) = 'BLTD' MOVE  3 TO J GO TO FIND-DOWN.
           IF VOC-CRS-2 (I) = 'CSVC' MOVE  5 TO J GO TO FIND-DOWN.
           IF VOC-CRS-2 (I) = 'DETR' MOVE  7 TO J GO TO FIND-DOWN.
           IF VOC-CRS-2 (I) = 'DPTR' MOVE  6 TO J GO TO FIND-DOWN.
           IF VOC-CRS-2 (I) = 'HECE' MOVE  9 TO J GO TO FIND-DOWN.
           IF VOC-CRS-2 (I) = 'HOCT' MOVE  8 TO J GO TO FIND-DOWN.
           IF VOC-CRS-2 (I) = 'PELA' MOVE  0 TO J GO TO FIND-DOWN.
           IF VOC-CRS-2 (I) = 'HMKT' MOVE  9 TO J GO TO FIND-DOWN.
           IF VOC-CRS-2 (I) = 'VONR' MOVE 11 TO J GO TO FIND-DOWN.
           IF VOC-CRS-2 (I) = 'VOED' MOVE 13 TO J GO TO FIND-DOWN.
       NO-CODE-TEST.
           MOVE O-E-COD-3 (I) TO CODE-TEST-SPOT-1.
           IF FIRST-PART-1 = '14' AND CODE-PART-1 = '02' MOVE  6 TO J
             GO TO FIND-DOWN.
           IF FIRST-PART-1 = '17' AND CODE-PART-1 = '03' MOVE  2 TO J
             GO TO FIND-DOWN.
           IF FIRST-PART-1 = '17' AND CODE-PART-1 = '10' MOVE  3 TO J
             GO TO FIND-DOWN.
           IF FIRST-PART-1 = '17' AND CODE-PART-1 = '26' MOVE  5 TO J
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              GO TO FIND-DOWN.
           IF FIRST-PART-1 ) '04' MOVE 1 TO J GO TO FIND-DOWN.
           IF FIRST-PART-1 ) '07' MOVE  7 TO J GO TO FIND-DOWN.
           IF FIRST-PART-1 ) '09' MOVE  8 TO J GO TO FIND-DOWN.
           IF FIRST-PART-1 ) '14' MOVE  9 TO J GO TO FIND-DOWN.
           IF FIRST-PART-1 ) '17' MOVE 13 TO J GO TO FIND-DOWN.
           MOVE 4 TO J.
       FIND-DOWN.
           IF J ) 1 GO TO MO-CODE-TEST.
           ADD 1 TO FOLK-COUNT (J, 1), FOLK-COUNT (14, 1).
           PERFORM SALARY-CK.
           IF SAL-5   0 ADD 1 TO EXTRA-CNT-JC-1 (J),
                   EXTRA-CNT-JC-1 (14).
           ADD SAL-5 TO TOT-SALARY (J), TOT-SALARY (14).
           IF POST-EXIT-ACT-2 (I) = 'HISC' MOVE  4 TO K GO TO MO-SUM.
           IF POST-EXIT-ACT-2 (I) = 'COL2' MOVE  4 TO K GO TO MO-SUM.
           IF POST-EXIT-ACT-2 (I) = 'COL4' MOVE  4 TO K GO TO MO-SUM.
           IF POST-EXIT-ACT-2 (I) = 'VOTC' MOVE  4 TO K GO TO MO-SUM.
           IF POST-EXIT-ACT-2 (I) = 'ENAF' MOVE  3 TO K GO TO MO-SUM.
           IF POST-EXIT-ACT-2 (I) = 'MARD' MOVE  5 TO K GO TO MO-SUM.
           IF POST-EXIT-ACT-2 (I) = 'UNEM' MOVE 10 TO K GO TO MO-SUM.
           IF POST-EXIT-ACT-2 (I) = 'WORK' GO TO WHAT-WORK.
           MOVE 2 TO K.
           GO TO MO-SUM.
       WHAT-WORK.
           MOVE O-E-COD-3 (I) TO CODE-TEST-SPOT-1.
           MOVE O-E-CODE-2    TO CODE-TEST-SPOT-2.
           MOVE 8 TO K.
           IF FIRST-PART-1 = FIRST-PART-2 AND CODE-PART-1 =
              CODE-PART-2 MOVE 7 TO K.
           IF CODE-TEST-SPOT-1 = CODE-TEST-SPOT-2 MOVE 6 TO K.
       MO-SUM.
           ADD 1 TO FOLK-COUNT (J, K), FOLK-COUNT (14, K).
       CNT-SECT-RTN.
           EXIT.
       RATIO-SPOT SECTION.
           PERFORM FIRST-DIV.
       FIRST-DIV.
           IF EXTRA-CNT-JC-1 (I)  NOT ) 1 COMPUTE TOT-SALARY (I) =
                 TOT-SALARY (I) / EXTRA-CNT-JC-1 (I).
           IF FOLK-COUNT (14, 1) NOT ) 1  COMPUTE PER-CENT (I, 1) =
                 (FOLK-COUNT (I, 1) * 100) / FOLK-COUNT (14, 1).
           MOVE 1 TO L.
       OTHER-STUF.
           PERFORM BIG-DIV VARYING I FROM 1 BY 1 UNTIL I   14.
       BIG-DIV.
           IF FOLK-COUNT (I, 1) NOT ) 1 COMPUTE PER-CENT (I, L) =
                 (FOLK-COUNT (I, L) * 100) / FOLK-COUNT (I, 1).
           MOVE L TO L.
       LAST-IN.
           CLOSE MAST-IN.
           PERFORM FIRST-DIV VARYING I FROM 1 BY 1 UNTIL I   14.
           PERFORM OTHER-STUF VARYING L FROM 2 BY 1 UNTIL L   10.
           PERFORM HEADING-PRT.
           PERFORM PRNT-LINES VARYING L FROM 1 BY 1 UNTIL L   10.
           PERFORM LAST-LINES.
           MOVE ' ' TO REPORT-OUT.
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           WRITE REPORT-OUT              AFTER POSITIONING 0 LINES.
           CLOSE PRINT-OUTS.
           STOP RUN.
       SALARY-CK.
           MOVE '000000' TO SAL-1.
           MOVE SALARY-2 TO SAL-7.
           IF SAL-4 (2) = '.' MOVE SALARY-2 TO SALARY-DECODE
             MOVE SAL-4 (4) TO SAL-4 (5) MOVE 'C' TO SAL-4 (4).
           PERFORM MD-CK-SAL VARYING N FROM 1 BY 1 UNTIL N   6.
       MD-CK-SAL.
           IF SAL-4 (N) ) '0' OR SAL-4 (N)   '9' MOVE '0' TO SAL-4 (N).
           MOVE L TO L.
       PRNT-LINES.
           COMPUTE J = (3  * L)  - 2.
           COMPUTE K = J + 1
           COMPUTE M = K + 1
           MOVE MARGIN-Y (J) TO CODE-PLACE-X.
           MOVE MARGIN-Y (K) TO CODE-PLACE-Y.
           MOVE MARGIN-Y (M) TO CODE-PLACE-Z.
           PERFORM MOVE-NUM1 VARYING N FROM 1 BY 1 UNTIL N   14.
           WRITE REPORT-OUT FROM DETAIL-LINE-1-X AFTER POSITIONING 1
                 LINES.
           WRITE REPORT-OUT FROM DETAIL-LINE-2-X AFTER POSITIONING 1
                 LINES.
           WRITE REPORT-OUT FROM DETAIL-LINES-3-X AFTER POSITIONING 1
                 LINES.
       MOVE-NUM1.
           MOVE FOLK-COUNT (N, L) TO NUM-VALS-X (N).
           MOVE PER-CENT   (N, L) TO NUM-VALS-Y (N).
       LAST-LINES.
           MOVE MARGIN-31 TO CODE-PLACE-Z.
           WRITE REPORT-OUT FROM DETAIL-LINES-3-X AFTER POSITIONING 2
                 LINES.
           MOVE MARGIN-32 TO CODE-PLACE-W.
           MOVE MARGIN-33 TO CODE-PLACE-Z.
           PERFORM AVG-PRN VARYING N FROM 1 BY 1 UNTIL N   14.
           WRITE REPORT-OUT FROM DETAIL-LINES-4-X AFTER POSITIONING 1
                 LINES.
           WRITE REPORT-OUT FROM DETAIL-LINES-3-X AFTER POSITIONING 1
                 LINES.
       AVG-PRN.
           MOVE TOT-SALARY (N) TO NUM-VALS-W (N).
       HEADING-PRT.
            MOVE DATE-OF-REPORT TO HEAD-X-13.
            WRITE REPORT-OUT FROM HEAD-1  AFTER POSITIONING 0 LINES.
            WRITE REPORT-OUT FROM HEAD-2  AFTER POSITIONING 2 LINES.
            WRITE REPORT-OUT FROM HEAD-3  AFTER POSITIONING 2 LINES.
            WRITE REPORT-OUT FROM HEAD-4  AFTER POSITIONING 2 LINES.
            WRITE REPORT-OUT FROM HEAD-5  AFTER POSITIONING 1 LINES.
            WRITE REPORT-OUT FROM HEAD-6  AFTER POSITIONING 1 LINES.
            WRITE REPORT-OUT FROM HEAD-7  AFTER POSITIONING 1 LINES.
            WRITE REPORT-OUT FROM HEAD-8  AFTER POSITIONING 1 LINES.
            WRITE REPORT-OUT FROM HEAD-9  AFTER POSITIONING 1 LINES.
            WRITE REPORT-OUT FROM HEAD-10 AFTER POSITIONING 1 LINES.
            WRITE REPORT-OUT FROM HEAD-11 AFTER POSITIONING 1 LINES.
            WRITE REPORT-OUT FROM HEAD-12 AFTER POSITIONING 1 LINES.
            WRITE REPORT-OUT FROM HEAD-13 AFTER POSITIONING 1 LINES.
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WRITE REPORT-OUT FROM HEAD-14 AFTER POSITIONING 1 LINES.
WRITE REPORT-OUT FROM HEAD-15 AFTER POSITIONING 1 LINES.
WRITE REPORT-OUT FROM HEAD-16 AFTER POSITIONING 1 LINES.
WRITE REPORT-OUT FROM HEAD-17 AFTER POSITIONING 1 LINES.
WRITE REPORT-OUT FROM HEAD-18 AFTER POSITIONING 1 LINES.
```

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1+

*STATISTICS*      SOURCE RECORDS =    686      DATA DIVISION STATEMENTS =    379      PROCEDURE DIVISION STATEMENTS =    225
*OPTIONS IN EFFECT*      SIZE =   94208  BUF =    7892  LINECNT = 57  SPACE1, FLAGW,    SEQ,    SOURCE
*OPTIONS IN EFFECT*      NODMAP, NOPMAP, NOCLIST,    SUPMAP, NOXREF,    LOAD, NODECK, APOST, NOTRUNC, NOLIB, NOVERB
*OPTIONS IN EFFECT*       ZWB
```

```
F88-LEVEL LINKAGE EDITOR OPTIONS SPECIFIED MAP,LIST
         DEFAULT OPTION(S) USED -  SIZE=(92160,20480)

                                        MODULE MAP

  CONTROL SECTION                  ENTRY

    NAME     ORIGIN  LENGTH          NAME   LOCATION     NAME   LOCATION     NAME   LOCATION     NAME   LOCATION

  BRYANUP        00    4146
  ILBOSTP0*    4148      35
                                   ILBOSTP1    415E
  SPIE     *   4180     564

 ENTRY ADDRESS        00
 TOTAL LENGTH       46E8

****SUMMAR    NOW REPLACED IN DATA SET
```

COMPUTER PROGRAM FOR

PRINTING A OVERALL SUMMARY

OF INFORMATION

ON ALL VOCATIONAL STUDENTS

IN THE FOLLOW-UP PROGRAM

BY YEAR STUDENT EXITED

```
//.            (0      ,20      003      ,BH)      RF      SU      Y'                 JO     7
***CLA:        D
// EXEC COBU,REGION=110K
XXONESTEP EXEC PGM=ANSCOBOL,REGION=110K                                   00020000
***                                                                       00040000
***           JCL STATEMENTS FOR THE ANS COMPILER                         00060000
***                                                                       00080000
XXSYSUT1     DD UNIT=SYSDA,SPACE=(TRK,(100,20))                           00100000
XXSYSUT2     DD UNIT=SYSDA,SPACE=(TRK,(100,20))                           00120000
XXSYSUT3     DD UNIT=SYSDA,SPACE=(TRK,(100,20))                           00140000
XXSYSUT4     DD UNIT=SYSDA,SPACE=(TRK,(100,20))                           00160000
XXSYSPRT     DD SYSOUT=A                                                  00180000
XXSYSPUNCH   DD SYSOUT=B                                                  00200000
XXSYSLIN     DD UNIT=SYSDA,SPACE=(TRK,(100,20)),DISP=(MOD,DELETE),        00220000
XX              DCB=(BLKSIZE=2240,BUFNO=2),DSN=&&LOADSET                  00240000
***                                                                       00260000
***           JCL STATEMENTS FOR THE LOADER                               00280000
***                                                                       00300000
XX           DD DDNAME=OBJECT       HEX DECKS FOR LOADER                  00320000
XXSYSLIB     DD DSN=SYS1.COBLIB,DISP=SHR                                  00340000
XX           DD DSN=SYS1.DPCLIB,DISP=SHR                                  00360000
XXSYSLOUT    DD SYSOUT=A                                                  00380000
***                                                                       00400000
***           DPC-PROVIDED JCL STATEMENTS FOR USER PROGRAM                00420000
***                                                                       00440000
XXPRINTER    DD SYSOUT=A                                                  00460000
XXREADER     DD DDNAME=SYSIN                                              00480000
XXSYSOUT     DD SYSOUT=A                                                  00500000
XXPUNCH      DD SYSOUT=B                                                  00520000
***                                                                       00540000
***           JCL STATEMENTS PROVIDED BY USER                             00560000
***                                                                       00580000
//SOURCE DD *
//MASTIN  DD UNIT=TAPE9,DISP=(OLD,KEEP),DSN=BHSMST,LABEL=(,SL),          X
//            VOL=SER=000255,DCB=(RECFM=FB,LRECL=650,BLKSIZE=6500)
//SYSIN DD *
//
IEF236I ALLOC. FOR JCRF90   ONESTEP
IEF237I 171   ALLOCATED TO SYSUT1
IEF237I 171   ALLOCATED TO SYSUT2
IEF237I 132   ALLOCATED TO SYSUT3
IEF237I 135   ALLOCATED TO SYSUT4
IEF237I 60A   ALLOCATED TO SYSPRT
IEF237I 631   ALLOCATED TO SYSPUNCH
IEF237I 135   ALLOCATED TO SYSLIN
IEF237I 130   ALLOCATED TO SYSLIB
IEF237I 390   ALLOCATED TO
IEF237I 60C   ALLOCATED TO SYSLOUT
IEF237I 60D   ALLOCATED TO PRINTER
IEF237I 65D   ALLOCATED TO READER
IEF237I 60E   ALLOCATED TO SYSOUT
IEF237I 632   ALLOCATED TO PUNCH
IEF237I 65C   ALLOCATED TO SOURCE
IEF237I 281   ALLOCATED TO MASTIN
IEF285I    SYS73026.T171550.RV000.JCRF90.R0000001        DELETED
IEF285I    VOL SER NOS= DUBLO5.
IEF285I    SYS73026.T171550.RV000.JCRF90.R0000002        DELETED
IEF285I    VOL SER NOS= DUBLO5.
IEF285I    SYS73026.T171550.RV000.JCRF90.R0000003        DELETED
IEF285I    VOL SER NOS= 666666.
IEF285I    SYS73026.T171550.RV000.JCRF90.R0000004        DELETED
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IE        I        SER      = 8      8.
IEF285I   SYS73026.T171550.RV000.JCRF90.R0000005       DELETED
IEF285I   VOL SER NOS=        .
IEF285I   SYS73026.T171550.RV000.JCRF90.R0000006       DELETED
IEF285I   VOL SER NOS=        .
IEF285I   SYS73026.T171550.RV000.JCRF90.LOADSET        DELETED
IEF285I   VOL SER NOS= 888888.
IEF285I   SYS1.COBLIB                                  KEPT
IEF285I   VOL SER NOS= SYSRES.
IEF285I   SYS1.DPCLIB                                  KEPT
IEF285I   VOL SER NOS= 444444.
IEF285I   SYS73026.T171550.RV000.JCRF90.R0000007       DELETED
IEF285I   VOL SER NOS=        .
IEF285I   SYS73026.T171550.RV000.JCRF90.R0000008       DELETED
IEF285I   VOL SER NOS=        .
IEF285I   SYS73026.T171550.RV000.JCRF90.R0000012       DELETED
IEF285I   VOL SER NOS=        .
IEF285I   SYS73026.T171550.RV000.JCRF90.R0000011       DELETED
IEF285I   VOL SER NOS=        .
IEF285I   BHSMST                                       KEPT
IEF285I   VOL SER NOS= 000255.
IEF280E K 281,000255,JCRF90,ONESTEP,BHSMST
TAM001I STEP /ONESTEP/ MAXIMUM CORE USED = 108K, EXECUTE TIME = 0.65
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```
IDENTIFICATION DIVISION.
PROGRAM-ID. 'BRYANUP'.
AUTHOR. JCRF.
DATE-WRITTEN. MARCH 1972.
INSTALLATION. TEXAS A & M UNIVERSITY.
ENVIRONMENT DIVISION.
CONFIGURATION SECTION.
SOURCE-COMPUTER. IBM-360-I65.
OBJECT-COMPUTER. IBM-360-I65.
INPUT-OUTPUT SECTION.
FILE-CONTROL.
    SELECT INPUT-CARDS ASSIGN TO UT-S-READER.
    SELECT PRINT-OUTS  ASSIGN TO UT-S-PRINTER.
    SELECT MAST-IN      ASSIGN TO UT-2400-S-MASTIN.
DATA DIVISION.
FILE SECTION.
FD  INPUT-CARDS RECORDING MODE IS F LABEL RECORDS ARE OMITTED
    DATA RECORD IS INPUT-RECORD.
01  INPUT-RECORD.
    02  IN-X-TEST PICTURE X OCCURS 80 TIMES.
FD  PRINT-OUTS RECORDING MODE F LABEL RECORDS ARE OMITTED
               DATA RECORD IS PRINT-RECORD, REPORT-OUT.
01  PRINT-RECORD PICTURE X(132).
01  REPORT-OUT PICTURE X(132).
FD  MAST-IN RECORDING MODE F LABEL RECORDS ARE STANDARD
      BLOCK CONTAINS 0 RECORDS RECORD CONTAINS 650 CHARACTERS
      DATA RECORD IS MAST-IN-REC.
01  MAST-IN-REC PICTURE X(650).
WORKING-STORAGE SECTION.
77  FIND-W-S  PICTURE X(60) VALUE 'BRYAN H S WORKING STORAGE '.
77  NO-READ      PICTURE  9(6) VALUE ZERO.
77  NO-WRITTEN   PICTURE  9(6) VALUE ZERO.
77  NO-CHANGES   PICTURE  9(6) VALUE ZERO.
77  NO-ADDS      PICTURE  9(6) VALUE ZERO.
77  I            PICTURE  S99 COMPUTATIONAL VALUE ZERO.
77  J            PICTURE  S99 COMPUTATIONAL VALUE ZERO.
77  K            PICTURE  S99 COMPUTATIONAL VALUE ZERO.
77  L            PICTURE  S99 COMPUTATIONAL VALUE ZERO.
77  M            PICTURE  S99 COMPUTATIONAL VALUE ZERO.
77  N            PICTURE  S99 COMPUTATIONAL VALUE ZERO.
77  A            PICTURE  S99 COMPUTATIONAL VALUE ZERO.
77  CHNG-EOF-FLG PICTURE 9 VALUE 0.
01  OLD-YR-F-U PICTURE XX VALUE ' '.
01  OLD-CAMPUS-CODE PICTURE XXX VALUE ' '.
01  CHANGE-CARDS.
    02  ID-NO-1                   PICTURE X(9).
    02  ID-NO-2 REDEFINES ID-NO-1 PICTURE X OCCURS 9 TIMES.
    02  CARD-TYPE-1.
        03  CARD-CODE-1           PICTURE X.
        03  CRD-CD-X REDEFINES CARD-CODE-1 PICTURE 9.
        03  CARD-CHNG-1           PICTURE X(69).
        03  COL-80-1              PICTURE X.
    02  CARD-TYPE-2 REDEFINES CARD-TYPE-1.
        03  CARD-CODE-2           PICTURE X.
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               03  UPDATE-CODE-3                         PICTURE 99.
               03  UPDATE-CODE-5 REDEFINES UPDATE-CODE-3.
                   04  UPDATE-CODE-1 PICTURE X OCCURS 2 TIMES.
               03  FIELD-VAL              PICTURE X(62).
               03  DATE-OF-UPDATE         PICTURE X(6).
               03  DAT-OF-UP REDEFINES DATE-OF-UPDATE PICTURE X
                             OCCURS 6 TIMES.
       01  STUDENT-RECORD.
           02  DELETE-CODE                PICTURE X.
           02  ID-NO-3                    PICTURE X(9).
           02  TYPE-CODE-1                PICTURE X.
           02  RECORD-TYPE-1.
               03  RECORD-BLOCK PICTURE X(69) OCCURS 9 TIMES.
           02  RECORD-TYPE-2 REDEFINES RECORD-TYPE-1.
               03  L-NAME-1               PICTURE X(12).
               03  F-NAME-1               PICTURE X(10).
               03  M-I-1                  PICTURE X(01).
               03  EMPL-1                 PICTURE X(01).
               03  OCC-1                  PICTURE X(15).
               03  O-E-CODE-1             PICTURE X(07).
               03  JOB-TITLE-1            PICTURE X(13).
               03  HRS-DAY-1              PICTURE X(04).
               03  SALARY-1               PICTURE X(04).
               03  SEX-1                  PICTURE X(01).
               03  RACE-1                 PICTURE X(01).
               03  S-ADD-1                PICTURE X(21).
               03  S-CIT-1                PICTURE X(11).
               03  S-STA-1                PICTURE X(05).
               03  S-ZIP-1                PICTURE X(05).
               03  S-ARC-1                PICTURE X(03).
               03  S-PHN-1                PICTURE X(07).
               03  BIRTH-DATE-1           PICTURE X(06).
               03  DATE-REC-1             PICTURE X(06).
               03  CRS-CNT-1              PICTURE 9(02).
               03  FILLER                 PICTURE X(03).
               03  P-ADD-1                PICTURE X(21).
               03  P-CIT-1                PICTURE X(11).
               03  P-STA-1                PICTURE X(05).
               03  P-ZIP-1                PICTURE X(05).
               03  P-ARC-1                PICTURE X(03).
               03  P-PHN-1                PICTURE X(07).
               03  REMARK-1               PICTURE X(17).
               03  E-ADD-1                PICTURE X(21).
               03  E-CIT-1                PICTURE X(11).
               03  E-STA-1                PICTURE X(05).
               03  E-ZIP-1                PICTURE X(05).
               03  E-ARC-1                PICTURE X(03).
               03  E-PHN-1                PICTURE X(07).
               03  E-NAM-1                PICTURE X(17).
               03  CRS-RECORDS OCCURS 5 TIMES.
                   04  VOC-CRS-1          PICTURE X(04).
                   04  O-E-COD-2          PICTURE X(07).
                   04  HRS-CRS-1          PICTURE X(04).
                   04  SCH-ATT-1          PICTURE X(03).
                   04  GRADE-1            PICTURE X(02).
                   04  VOC-TEACH-1        PICTURE X(17).
                   04  DATE-ENT-1         PICTURE X(04).
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                04  DATE-EXIT-1       PICTURE X(04).
                04  REASON-EXIT-1     PICTURE X(04).
                04  REMARK-2          PICTURE X(20).
        02  RECORD-TYPE-3 REDEFINES RECORD-TYPE-1.
            03  L-NAME-2              PICTURE X(12).
            03  F-NAME-2              PICTURE X(10).
            03  M-I-2                 PICTURE X(01).
            03  EMPL-2                PICTURE X(01).
            03  OCC-2                 PICTURE X(15).
            03  O-E-CODE-2            PICTURE X(07).
            03  JOB-TITLE-2           PICTURE X(12).
            03  HRS-DAY-2             PICTURE X(05).
            03  SALARY-2              PICTURE X(04).
            03  SEX-2                 PICTURE X(01).
            03  RACE-2                PICTURE X(01).
            03  L-NAME-3              PICTURE X(12).
            03  F-NAME-3              PICTURE X(10).
            03  M-I-3                 PICTURE X(01).
            03  SALARY-3              PICTURE X(04).
            03  NO-OF-EMPL-2          PICTURE X(03).
            03  YEAR-OF-1ST-ENTRY     PICTURE X(02).
            03  REMARK-3              PICTURE X(35).
            03  CRS-CNT-2             PICTURE 9(02).
            03  S-ADD-2               PICTURE X(21).
            03  S-CIT-2               PICTURE X(11).
            03  S-STA-2               PICTURE X(05).
            03  S-ZIP-2               PICTURE X(05).
            03  S-ARC-2               PICTURE X(03).
            03  S-PHN-2               PICTURE X(07).
            03  BIRTH-DATE-2          PICTURE X(06).
            03  DATE-REC-2            PICTURE X(06).
            03  STEP-ENCR-2           PICTURE X(01).
            03  FILLER                PICTURE X(04).
            03  E-ADD-2               PICTURE X(21).
            03  E-CIT-2               PICTURE X(11).
            03  E-STA-2               PICTURE X(05).
            03  E-ZIP-2               PICTURE X(05).
            03  E-ARC-2               PICTURE X(03).
            03  E-PHN-2               PICTURE X(07).
            03  E-NAM-2               PICTURE X(17).
            03  CRS-RECORDS-2 OCCURS 5 TIMES.
                04  VOC-CRS-2         PICTURE X(04).
                04  O-E-COD-3         PICTURE X(07).
                04  HRS-CRS-2         PICTURE X(04).
                04  SCT-ATT-2         PICTURE X(03).
                04  GRADE-2           PICTURE X(02).
                04  VOC-TEACH-2       PICTURE X(17).
                04  DATE-EXIT-2       PICTURE X(04).
                04  REASON-EXIT-2     PICTURE X(04).
                04  VOC-Y-N-2         PICTURE X(01).
                04  HRS-COMPL-2       PICTURE X(04).
                04  PER-CEN-COM-2     PICTURE X(03).
                04  POST-EXIT-ACT-2 PICTURE X(04).
                04  DATE-ENT-2        PICTURE X(04).
                04  FILLER            PICTURE X(08).
    01  REPORT-TYPE-FLAGS.
        02  DATE-OF-REPORT PICTURE X(8).
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           02  TYPE-OF-REPORT PICTURE 9.
             02  START-DATE PICTURE XX.
             02  START-DATE-X REDEFINES START-DATE PICTURE 99.
       01  REDEF-FIELDS.
           02  REDEF-1 PICTURE XX.
           02  REDEF-2 REDEFINES REDEF-1 PICTURE 99.
           02  REDEF-3 REDEFINES REDEF-1 PICTURE X OCCURS 2 TIMES.
       01  NAME-FIELDS.
           02  L-N-X.
               03  L-N-Y PICTURE X OCCURS 13 TIMES.
           02  F-N-X.
               03  F-N-X PICTURE X OCCURS 11 TIMES.
       01  ERROR-FLAG PICTURE 9 VALUE ZERO.
       01  OLD-CAMPUS-CD      PICTURE X(03) VALUE ' '.
       01  OLD-VOC-CRS-CD     PICTURE X(04) VALUE ' '.
       01  OLD-INSTR-NAME     PICTURE X(17) VALUE ' '.
       01  SQUFEZ-FIELDS.
           02  SQ-FIELD-A     PICTURE X(21).
           02  SQ-FIELD-1 REDEFINES SQ-FIELD-A.
               03  SQ-ZONE-I PICTURE X OCCURS 21  TIMES.
           02  SQ-FIELD-B     PICTURE X(21).
           02  SQ-FIELD-2 REDEFINES SQ-FIELD-B.
               03  SQ-ZONE-J PICTURE X OCCURS 21  TIMES.
           02  SQ-FIELD-C     PICTURE X(21).
           02  SQ-FIELD-3 REDEFINES SQ-FIELD-C.
               03  SQ-ZONE-K PICTURE X OCCURS 21  TIMES.
           02  SQ-FIELD-D     PICTURE X(21).
           02  SQ-FIELD-4 REDEFINES SQ-FIELD-D.
               03  SQ-ZONE-L PICTURE X OCCURS 21  TIMES.
       01  LINE-CCUNT PICTURE 99 VALUE 13.
       01  CAMPUS-LIST.
           02  C-LIST-1  PICTURE X(50) VALUE
               '000EDUCATIONAL SERVICE CENTER     '.
           02  C-LIST-2  PICTURE X(50) VALUE
               '002STEPHAN F AUSTIN               '.
           02  C-LIST-3  PICTURE X(50) VALUE
               '001BRYAN HIGH                     '.
           02  C-LIST-4  PICTURE X(50) VALUE
               '041ANSON JONES                    '.
           02  C-LIST-5  PICTURE X(50) VALUE
               '042LAMAR                          '.
           02  C-LIST-6  PICTURE X(50) VALUE
               '111NEAL                           '.
           02  C-LIST-7  PICTURE X(50) VALUE
               '101BONHAM                         '.
           02  C-LIST-8  PICTURE X(50) VALUE
               '102BOWIE                          '.
           02  C-LIST-9  PICTURE X(50) VALUE
               '103CARVER-KEMP                    '.
           02  C-LIST-10 PICTURE X(50) VALUE
               '104CROCKETT                       '.
           02  C-LIST-11 PICTURE X(50) VALUE
               '105FANNIN                         '.
           02  C-LIST-12 PICTURE X(50) VALUE
               '106MILAM                          '.
           02  C-LIST-13 PICTURE X(50) VALUE
               '107ROSS                           '.
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           02  C-LIST-14 PICTURE X(50) VALUE
               '108TRAVIS                               '.
           02  C-LIST-15 PICTURE X(50) VALUE
               '109WASHINGTON CAMPUS                    '.
           02  C-LIST-16 PICTURE X(50) VALUE
               '110HENDERSON                            '.
           02  C-LIST-17 PICTURE X(50) VALUE
               '200LIBRARY PROCESSING CENTER            '.
           02  C-LIST-18 PICTURE X(50) VALUE
               '201WAREHOUSE                            '.
       01  CAMPUS-LIST-2 REDEFINES CAMPUS-LIST.
           02  C-LST-X OCCURS 18 TIMES.
               03  CAMP-CODE PICTURE XXX.
               03  CAMP-NAME PICTURE X(47).
       01  VOC-PROGRAM.
           02  VOC-PROG-1    PICTURE X(50) VALUE
               'CCAGCOOPERATIVE AGRICULTURE                       '.
           02  VOC-PROG-2    PICTURE X(50) VALUE
               'VOAGVOCATIONAL AGRICULTURE                        '.
           02  VOC-PROG-3    PICTURE X(50) VALUE
               'AMECAUTO MECHANICS                                '.
           02  VOC-PROG-4    PICTURE X(50) VALUE
               'BLTDBUILDING TRADES                               '.
           02  VOC-PROG-5    PICTURE X(50) VALUE
               'CSMGCOSMETOLOGY                                   '.
           02  VOC-PROG-6    PICTURE X(50) VALUE
               'CVAECOORDINATED VOC. ACADEMIC TRAINING            '.
           02  VOC-PROG-7    PICTURE X(50) VALUE
               'DETRDISTRIBUTED EDUCATION TRAINING                '.
           02  VOC-PROG-8    PICTURE X(50) VALUE
               'DPTRDATA PROCESSING TRAINING                      '.
           02  VOC-PROG-9    PICTURE X(50) VALUE
               'ICTRINDUSTRIAL COOPERATIVE TRAINING               '.
           02  VOC-PROG-10   PICTURE X(50) VALUE
               'HECEHOME ECONOMIC COOPERATIVE EDUCATION           '.
           02  VOC-PROG-11   PICTURE X(50) VALUE
               'HOCTHEALTH OCCUPATIONS COOPERATIVE TRAINING       '.
           02  VOC-PROG-12   PICTURE X(50) VALUE
               'PELBPRE EMPLOYMENT LAB                            '.
           02  VOC-PROG-13   PICTURE X(50) VALUE
               'HMKTHOME MAKING TRAINING                          '.
           02  VOC-PROG-14   PICTURE X(50) VALUE
               'VONRVOCATIONAL NURSE TRAINING                     '.
           02  VOC-PROG-15   PICTURE X(50) VALUE
               'VCEDVOCATIONAL OFFICE EDUCATION                   '.
           02  VOC-PROG-16   PICTURE X(50) VALUE
               'BVAFBUILDING TRADES ACADEMIC EDUCATION            '.
           02  VOC-PROG-17   PICTURE X(50) VALUE
               'HVAEHORTICULTURE ACADEMIC EDUCATION               '.
           02  VOC-PROG-18   PICTURE X(50) VALUE
               'DVAEOFFICE DUPLICATION ACADEMIC EDUCATION         '.
       01  VOC-PROGRAM-1 REDEFINES VOC-PROGRAM.
           02  PROG-LIST OCCURS 18 TIMES.
               03  PROG-CODE-X PICTURE XXXX.
               03  PROG-NAME-X PICTURE X(46).
       01  NUMBERS-ARRAY.
           02  YR-SPOT OCCURS 5 TIMES.
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          03  ACROSS-PAGE OCCURS 14 TIMES.
              04  DOWN-PAGE OCCURS 11 TIMES.
                  05  FOLK-COUNT PICTURE 9999.
                  05  PER-CENT   PICTURE 999V99.
              04  TOT-SALARY PICTURE 9(9)V99.
      01  CODE-TEST-SPOT-1.
          02  FIRST-PART-1 PICTURE XX.
          02  PERIOD-1     PICTURE X.
          02  CODE-PART-1  PICTURE XX.
          02  JUNK-PART-1  PICTURE XX.
      01  CODE-TEST-SPOT-2.
          02  FIRST-PART-2 PICTURE XX.
          02  PERIOD-2     PICTURE X.
          02  CODE-PART-2  PICTURE XX.
          02  JUNK-PART-2  PICTURE XX.
      01  SALARY-DECODE.
          02  SAL-1 PICTURE X(6).
          02  SAL-2 REDEFINES SAL-1.
              03  SAL-4 PICTURE X OCCURS 6 TIMES.
          02  SAL-5 REDEFINES SAL-1 PICTURE 9999V99.
          02  SAL-6 REDEFINES SAL-1.
              03  SAL-7 PICTURE XXXX.
              03  SAL-8 PICTURE XX.
      01  HEAD-1.
          02  HEAD-X-1  PICTURE X(25) VALUE
              '1                       '.
          02  HEAD-X-2  PICTURE X(25) VALUE
              '                   B R Y'.
          02  HEAD-X-3  PICTURE X(25) VALUE
              ' A N  P U B L I C  S C H '.
          02  HEAD-X-4  PICTURE X(25) VALUE
              'O O L S                 '.
      01  HEAD-2.
          02  HEAD-X-5  PICTURE X(25) VALUE
              '0                       '.
          02  HEAD-X-6  PICTURE X(25) VALUE
              '                   V O C'.
          02  HEAD-X-7  PICTURE X(25) VALUE
              ' A T I O N A L  E D U C A'.
          02  HEAD-X-8  PICTURE X(25) VALUE
              ' T I O N  D E P A R T M E'.
          02  HEAD-X-9  PICTURE X(25) VALUE
              ' N T                    '.
      01  HEAD-3.
          02  HEAD-X-10 PICTURE X(25) VALUE
              '0                       '.
          02  HEAD-X-11 PICTURE X(25) VALUE
              '                   F O L'.
          02  HEAD-X-12 PICTURE X(25) VALUE
              ' L O W - U P  A S  O F  '.
          02  HEAD-X-13 PICTURE X(25) VALUE   ' '.
      01  HEAD-4.
          02  HEAD-3-1  PICTURE X(26) VALUE ' '.
          02  HEAD-1-1  PICTURE X(50) VALUE
         'A       A      B  T    C  A      C      D  P     D  E'.
          02  HEAD-2-1  PICTURE X(60) VALUE
         ' H  O      H   I C T  L V N   V A E  V O E     T'.
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       01  HEAD-5.
           02  HEAD-3-2   PICTURE X(26) VALUE ' '.
           02  HEAD-1-2   PICTURE X(50) VALUE
            'G      U       U R   O   C     O     A  R    I  D'.
           02  HEAD-2-2   PICTURE X(60) VALUE
            '   E C     . O   N O R   I O U   O C D   O F D     O'.
       01  HEAD-6.
           02  HEAD-3-3   PICTURE X(26) VALUE ' '.
           02  HEAD-1-3   PICTURE X(50) VALUE
            'R       T       I  A   O   A       S     T  O    S  U'.
           02  HEAD-2-3   PICTURE X(60) VALUE
            '   A  C       M    D O A   C C R    C A U   C F U     T'.
       01  HEAD-7.
           02  HEAD-3-4   PICTURE X(26) VALUE ' '.
           02  HEAD-1-4   PICTURE X(50) VALUE
            'I       O       L  D    P    D     M     A   C    T  C'.
           02  HEAD-2-4   PICTURE X(60) VALUE
            '   L  U       E    U P I   E A S    A D C   A I C     A'.
       01  HEAD-8.
           02  HEAD-3-5   PICTURE X(26) VALUE ' '.
           02  HEAD-1-5   PICTURE X(50) VALUE
            'C              D  F    .  E     E          E    R  A'.
           02  HEAD-2-5   PICTURE X(60) VALUE
            '   T   P      M    S E N   N T I    T E A   T C A     L'.
       01  HEAD-9.
           02  HEAD-3-6   PICTURE X(26) VALUE ' '.
           02  HEAD-1-6   PICTURE X(50) VALUE
            'U       M       I   S      M     T         S    I  T'.
           02  HEAD-2-6   PICTURE X(60) VALUE
            '   H   A       A    T R I   S I N    I M T   I E T     S'.
       01  HEAD-10.
           02  HEAD-3-7   PICTURE X(26) VALUE ' '.
           02  HEAD-1-7   PICTURE X(50) VALUE
            'L       E       N       V   I     O         S    B  I'.
           02  HEAD-2-7   PICTURE X(60) VALUE
            '       T       K    R A N   E O G    O I I   O  I       '.
       01  HEAD-11.
           02  HEAD-3-8   PICTURE X(26) VALUE ' '.
           02  HEAD-1-8   PICTURE X(50) VALUE
            'T       C       G      O   C     L         I    U  O'.
           02  HEAD-2-8   PICTURE X(60) VALUE
            '       I       I   I T G   D N      N C O   N  O       '.
       01  HEAD-12.
           02  HEAD-3-9   PICTURE X(26) VALUE ' '.
           02  HEAD-1-9   PICTURE X(50) VALUE
            'U       H              C         O         N    T  N'.
           02  HEAD-2-9   PICTURE X(60) VALUE
            '       O       N    A I       A      A  N  A  N       '.
       01  HEAD-13.
           02  HEAD-3-10  PICTURE X(26) VALUE ' '.
           02  HEAD-1-10  PICTURE X(50) VALUE
            'R       A              .  E     G         G    I  '.
           02  HEAD-2-10  PICTURE X(60) VALUE
            '       N       G    L V       L      L      L       '.
       01  HEAD-14.
           02  HEAD-3-11  PICTURE X(26) VALUE ' '.
           02  HEAD-1-11  PICTURE X(50) VALUE
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            'E         N                    D     Y                   V   '.
           02  HEAD-2-11 PICTURE X(60) VALUE
            '       S               E                                          '.
       01  HEAD-15.
           02  HEAD-3-12 PICTURE X(26) VALUE ' '.
           02  HEAD-1-12 PICTURE X(50) VALUE
            '          I                  U                           E   '.
           02  HEAD-2-12 PICTURE X(60) VALUE
            '                                                              '.
       01  HEAD-16.
           02  HEAD-3-13 PICTURE X(26) VALUE ' '.
           02  HEAD-1-13 PICTURE X(50) VALUE
            '          C                  C                               '.
           02  HEAD-2-13 PICTURE X(60) VALUE  ' '.
       01  HEAD-17.
           02  HEAD-3-14 PICTURE X(26) VALUE ' '.
           02  HEAD-1-14 PICTURE X(50) VALUE
            '          S                  .                               '.
           02  HEAD-2-14 PICTURE X(60) VALUE  ' '.
       01  HEAD-18.
           02  FILLER PICTURE XX VALUE ' '.
       01  DETAIL-LINE-1-X.
           02  CODE-PLACE-X PICTURE X(18).
           02  CODE-PLACE-P PICTURE X(3) VALUE 'NO.'.
           02  NUM-LINES-X.
             03  NUM-VALS-1-X OCCURS 14 TIMES.
                 04  NUM-VALS-X PICTURE Z(7).
                 04  FILLER PICTURE X.
       01  DETAIL-LINE-2-X.
           02  CODE-PLACE-Y PICTURE X(18).
           02  CODE-PLACE-Q PICTURE XXX VALUE '0/0'.
           02  NUM-LINES-Y.
             03  NUM-VALS-1-Y OCCURS 14 TIMES.
                 04  NUM-VALS-Y PICTURE Z(4)9.9.
                 04  FILLER PICTURE X.
       01  DETAIL-LINES-3-X.
           02  CODE-PLACE-Z PICTURE X(18).
       01  DETAIL-LINES-4-X.
           02  CODE-PLACE-W PICTURE X(21).
           02  NUM-LINES-W.
             03  NUM-VALS-1-W OCCURS 14 TIMES.
                 04  NUM-VALS-W PICTURE $$$,$$9.
                 04  FILLER PICTURE X.
       01  SIDE-MARGINS.
           02  MARGIN-PICTURES.
             03  MARGIN-1  PICTURE X(18) VALUE
            ' TOTAL IN          '.
             03  MARGIN-2  PICTURE X(18) VALUE
            ' FOLLOW-UP         '.
             03  MARGIN-3  PICTURE X(18) VALUE
            '                   '.
             03  MARGIN-4  PICTURE X(18) VALUE
            ' NO STATUS         '.
             03  MARGIN-5  PICTURE X(18) VALUE
            ' KNOWN             '.
             03  MARGIN-6  PICTURE X(18) VALUE
            '                   '.
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               03  MARGIN-7  PICTURE X(18) VALUE
             ' ENTERED ARMED     '.
               03  MARGIN-8  PICTURE X(18) VALUE
             ' FORCES            '.
               03  MARGIN-9  PICTURE X(18) VALUE
             '                   '.
               03  MARGIN-10 PICTURE X(18) VALUE
             ' CONTINUED SCHOOL  '.
               03  MARGIN-11 PICTURE X(18) VALUE
             ' FULL TIME         '.
               03  MARGIN-12 PICTURE X(18) VALUE
             '                   '.
               03  MARGIN-13 PICTURE X(18) VALUE
             ' OTHERS NOT IN     '.
               03  MARGIN-14 PICTURE X(18) VALUE
             ' LABCR FORCE       '.
               03  MARGIN-15 PICTURE X(18) VALUE
             '                   '.
               03  MARGIN-16 PICTURE X(18) VALUE
             ' E F IN TRAINED    '.
               03  MARGIN-17 PICTURE X(18) VALUE
             ' M U OCCUPATION    '.
               03  MARGIN-18 PICTURE X(18) VALUE
             ' P L               '.
               03  MARGIN-19 PICTURE X(18) VALUE
             ' L L IN RELATED    '.
               03  MARGIN-20 PICTURE X(18) VALUE
             ' O - OCCUPATION    '.
               03  MARGIN-21 PICTURE X(18) VALUE
             ' Y T               '.
               03  MARGIN-22 PICTURE X(18) VALUE
             ' E I IN OTHER      '.
               03  MARGIN-23 PICTURE X(18) VALUE
             ' D M OCCUPATION    '.
               03  MARGIN-24 PICTURE X(18) VALUE
             '   E               '.
               03  MARGIN-25 PICTURE X(18) VALUE
             ' EMPLOYED          '.
               03  MARGIN-26 PICTURE X(18) VALUE
             ' PART TIME         '.
               03  MARGIN-27 PICTURE X(18) VALUE
             '                   '.
               03  MARGIN-28 PICTURE X(18) VALUE
             ' UNEMPLOYED        '.
               03  MARGIN-29 PICTURE X(18) VALUE
             ' SEEKING           '.
               03  MARGIN-30 PICTURE X(18) VALUE
             ' EMPLOYMENT        '.
               03  MARGIN-31 PICTURE X(18) VALUE
             ' AVERAGE           '.
               03  MARGIN-32 PICTURE X(18) VALUE
             ' SALARY            '.
               03  MARGIN-33 PICTURE X(18) VALUE
             ' PER MONTH         '.
            02  MARCIN-X REDEFINES MARGIN-PICTURES.
               03  MARGIN-Y OCCURS 33 TIMES PICTURE X(18).
        01  EXTRA-CNTS-JCRF.
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     02  YR-CNT-ZZ OCCURS 5 TIMES.
     03  EXTRA-CNT-JC-1 OCCURS 14 TIMES PICTURE 9999.
 PROCEDURE DIVISION.
 START-PROGRAM.
     CALL 'SPIE'.
     OPEN INPUT INPUT-CARDS.
     READ INPUT-CARDS INTO REPORT-TYPE-FLAGS AT END
       MOVE 'CURRENT' TO REPORT-TYPE-FLAGS.
     CLOSE INPUT-CARDS.
     OPEN OUTPUT PRINT-OUTS.
     OPEN INPUT MAST-IN.
     MOVE ' ' TO DETAIL-LINE-2-X.
     MOVE ' ' TO DETAIL-LINE-1-X.
     MOVE ' ' TO DETAIL-LINES-4-X.
     PERFORM MO-ZERO VARYING K FROM 1 BY 1 UNTIL K > 5.
 BIG-LOOP.
     READ MAST-IN INTO STUDENT-RECORD AT END GO TO LAST-IN.
     IF TYPE-CODE-1 = '1' GO TO BIG-LOOP.
     PERFORM COUNTS-CRS VARYING L FROM 1 BY 1 UNTIL L > CRS-CNT-2.
     GO TO BIG-LOOP.
 MO-ZERO.
     PERFORM ZRO-ARRAY VARYING I FROM 1 BY 1 UNTIL I > 14.
 ZRO-ARRAY.
     PERFORM ZRO-ARR-2 VARYING L FROM 1 BY 1 UNTIL L > 11.
     MOVE ZERO TO TOT-SALARY (K,I).
     MOVE ZERO TO EXTRA-CNT-JC-1 (K,I).
 ZRO-ARR-2.
     MOVE ZERO TO FOLK-COUNT (K,I, L).
     MOVE ZERO TO PER-CENT   (K,I, L).
 COUNTS-CRS SECTION.
     IF START-DATE > YEAR-OF-1ST-ENTRY GO TO CNT-SECT-RTN.
     MOVE YEAR-OF-1ST-ENTRY TO REDEF-1.
     IF REDEF-3 (1) > '9' GO TO CNT-SECT-RTN.
     IF REDEF-3 (2) > '9' GO TO CNT-SECT-RTN.
     IF REDEF-3 (1) < '0' GO TO CNT-SECT-RTN.
     IF REDEF-3 (2) < '0' GO TO CNT-SECT-RTN.
     COMPUTE M = REDEF-2 - START-DATE-X + 1.
     IF M > 5 GO TO CNT-SECT-RTN.
     COMPUTE I = L.
     MOVE ZERO TO J.
     COMPUTE A = L + 4.
     IF RECORD-BLOCK (A) = SPACES GO TO CNT-SECT-RTN.
     IF VOC-Y-N-2 (I) = 'N' GO TO CNT-SECT-RTN.
     IF VOC-CRS-2 (I) = 'CVAE' MOVE 4 TO J GO TO FIND-DOWN.
     IF VOC-CRS-2 (I) = 'ICTR' MOVE 10 TO J GO TO FIND-DOWN.
     IF VOC-CRS-2 (I) = 'BVAE' MOVE 12 TO J GO TO FIND-DOWN.
     IF VOC-CRS-2 (I) = 'HVAE' MOVE 12 TO J GO TO FIND-DOWN.
     IF VOC-CRS-2 (I) = 'DVAE' MOVE 12 TO J GO TO FIND-DOWN.
     IF VOC-CRS-2 (I) = 'VAED' MOVE 12 TO J GO TO FIND-DOWN.
     IF VOC-CRS-2 (I) = 'COAG' MOVE  1 TO J GO TO FIND-DOWN.
     IF VOC-CRS-2 (I) = 'VOAG' MOVE  1 TO J GO TO FIND-DOWN.
     IF VOC-CRS-2 (I) = 'AMEC' MOVE  2 TO J GO TO FIND-DOWN.
     IF VOC-CRS-2 (I) = 'ALTD' MOVE  3 TO J GO TO FIND-DOWN.
     IF VOC-CRS-2 (I) = 'CSMG' MOVE  5 TO J GO TO FIND-DOWN.
     IF VOC-CRS-2 (I) = 'DETR' MOVE  7 TO J GO TO FIND-DOWN.
     IF VOC-CRS-2 (I) = 'DPTR' MOVE  6 TO J GO TO FIND-DOWN.
     IF VOC-CRS-2 (I) = 'HECE' MOVE  9 TO J GO TO FIND-DOWN.
```

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           IF VOC-CRS-2 (I) = 'HOCT' MOVE  8 TO J GO TO FIND-DOWN.
           IF VOC-CRS-2 (I) = 'PELB' MOVE  0 TO J GO TO FIND-DOWN.
           IF VOC-CRS-2 (I) = 'HMKT' MOVE  9 TO J GO TO FIND-DOWN.
           IF VOC-CRS-2 (I) = 'VONR' MOVE 11 TO J GO TO FIND-DOWN.
           IF VOC-CRS-2 (I) = 'VOED' MOVE 13 TO J GO TO FIND-DOWN.
       MO-CODE-TEST.
           MOVE O-E-COD-3 (I) TO CODE-TEST-SPOT-1.
           IF FIRST-PART-1 = '14' AND CODE-PART-1 = '02' MOVE  6 TO J
             GO TO FIND-DOWN.
           IF FIRST-PART-1 = '17' AND CODE-PART-1 = '03' MOVE  2 TO J
             GO TO FIND-DOWN.
           IF FIRST-PART-1 = '17' AND CODE-PART-1 = '10' MOVE  3 TO J
             GO TO FIND-DOWN.
           IF FIRST-PART-1 = '17' AND CODE-PART-1 = '26' MOVE  5 TO J
             GO TO FIND-DOWN.
           IF FIRST-PART-1 < '04' MOVE 1 TO J GO TO FIND-DOWN.
           IF FIRST-PART-1 < '07' MOVE  7 TO J GO TO FIND-DOWN.
           IF FIRST-PART-1 < '09' MOVE  8 TO J GO TO FIND-DOWN.
           IF FIRST-PART-1 < '14' MOVE  9 TO J GO TO FIND-DOWN.
           IF FIRST-PART-1 < '17' MOVE 13 TO J GO TO FIND-DOWN.
           MOVE 4 TO J.
       FIND-DOWN.
           IF J < 1 GO TO MO-CODE-TEST.
           ADD 1 TO FOLK-COUNT (M,J, 1), FOLK-COUNT (M,14, 1).
           PERFORM SALARY-CK.
           IF SAL-5 > 0 ADD 1 TO EXTRA-CNT-JC-1 (M,J),
                     EXTRA-CNT-JC-1 (M,14).
           ADD SAL-5 TO TOT-SALARY (M,J), TOT-SALARY (M,14).
           IF POST-EXIT-ACT-2 (I) = 'HISC' MOVE  4 TO K GO TO MO-SUM.
           IF POST-EXIT-ACT-2 (I) = 'COL2' MOVE  4 TO K GO TO MO-SUM.
           IF POST-EXIT-ACT-2 (I) = 'COL4' MOVE  4 TO K GO TO MO-SUM.
           IF POST-EXIT-ACT-2 (I) = 'VOTC' MOVE  4 TO K GO TO MO-SUM.
           IF POST-EXIT-ACT-2 (I) = 'ENAF' MOVE  3 TO K GO TO MO-SUM.
           IF POST-EXIT-ACT-2 (I) = 'MARD' MOVE  5 TO K GO TO MO-SUM.
           IF POST-EXIT-ACT-2 (I) = 'UNEM' MOVE 10 TO K GO TO MO-SUM.
           IF POST-EXIT-ACT-2 (I) = 'WORK' GO TO WHAT-WORK.
           MOVE 2 TO K.
           GO TO MO-SUM.
       WHAT-WORK.
           MOVE O-E-COD-3 (I) TO CODE-TEST-SPOT-1.
           MOVE O-E-CODE-2    TO CODE-TEST-SPOT-2.
           MOVE 8 TO K.
           IF FIRST-PART-1 = FIRST-PART-2 AND CODE-PART-1 =
              CODE-PART-2 MOVE 7 TO K.
           IF CODE-TEST-SPOT-1 = CODE-TEST-SPOT-2 MOVE 6 TO K.
       MO-SUM.
           ADD 1 TO FOLK-COUNT (M,J, K), FOLK-COUNT (M,14, K).
       CNT-SECT-RTN.
           EXIT.
       RATIO-SPOT SECTION.
           PERFORM FIRST-DIV.
       FIRST-DIV.
           IF EXTRA-CNT-JC-1 (M,I)  NOT < 1 COMPUTE TOT-SALARY (M,I) =
                TOT-SALARY (M,I) / EXTRA-CNT-JC-1 (M,I).
           IF FOLK-COUNT (M,14, 1) NOT < 1  COMPUTE PER-CENT (M,I, 1) =
                (FOLK-COUNT (M,I, 1) * 100) / FOLK-COUNT (M,14, 1).
           MOVE L TO L.
```

```
OTHER-STUF.
    PERFORM BIG-DIV VARYING I FROM 1 BY 1 UNTIL I > 14.
BIG-DIV.
    IF FOLK-COUNT (M,I, 1) NOT < 1 COMPUTE PER-CENT (M,I, L) =
        (FOLK-COUNT (M,I, L) * 100) / FOLK-COUNT (M,I, 1).
    MOVE L TO L.
LAST-IN.
    CLOSE MAST-IN.
    PERFORM GOODIES-PRINT VARYING M FROM 1 BY 1 UNTIL M > 5.
    CLOSE PRINT-OUTS.
    STOP RUN.
GOODIES-PRINT.
    PERFORM FIRST-DIV VARYING I FROM 1 BY 1 UNTIL I > 14.
    PERFORM OTHER-STUF VARYING L FROM 2 BY 1 UNTIL L > 10.
    PERFORM HEADING-PRT.
    PERFORM PRNT-LINES VARYING L FROM 1 BY 1 UNTIL L > 10.
    PERFORM LAST-LINES.
    MOVE ' ' TO REPORT-OUT.
    WRITE REPORT-OUT             AFTER POSITIONING 0 LINES.
SALARY-CK.
    MOVE '000000' TO SAL-1.
    MOVE SALARY-2 TO SAL-7.
    IF SAL-4 (2) = '.' MOVE SALARY-2 TO SALARY-DECODE
      MOVE SAL-4 (4) TO SAL-4 (5) MOVE '0' TO SAL-4 (4).
    PERFORM MO-CK-SAL VARYING N FROM 1 BY 1 UNTIL N > 6.
MO-CK-SAL.
    IF SAL-4 (N) < '0' OR SAL-4 (N) > '9' MOVE '0' TO SAL-4 (N).
    MOVE L TO L.
PRNT-LINES.
    COMPUTE J = (3  * L)  - 2.
    COMPUTE K = J + 1
    COMPUTE A = K + 1
    MOVE MARGIN-Y (J) TO CODE-PLACE-X.
    MOVE MARGIN-Y (K) TO CODE-PLACE-Y.
    MOVE MARGIN-Y (A) TO CODE-PLACE-Z.
    PERFORM MOVE-NUM1 VARYING N FROM 1 BY 1 UNTIL N > 14.
    WRITE REPORT-OUT FROM DETAIL-LINE-1-X AFTER POSITIONING 1
          LINES.
    WRITE REPORT-OUT FROM DETAIL-LINE-2-X AFTER POSITIONING 1
          LINES.
    WRITE REPORT-OUT FROM DETAIL-LINES-3-X AFTER POSITIONING 1
          LINES.
MOVE-NUM1.
    MOVE FOLK-COUNT (M,N, L) TO NUM-VALS-X (N).
    MOVE PER-CENT   (M,N, L) TO NUM-VALS-Y (N).
LAST-LINES.
    MOVE MARGIN-31 TO CODE-PLACE-Z.
    WRITE REPORT-OUT FROM DETAIL-LINES-3-X AFTER POSITIONING 2
          LINES.
    MOVE MARGIN-32 TO CODE-PLACE-W.
    MOVE MARGIN-33 TO CODE-PLACE-Z.
    PERFORM AVG-PRN VARYING N FROM 1 BY 1 UNTIL N > 14.
    WRITE REPORT-OUT FROM DETAIL-LINES-4-X AFTER POSITIONING 1
          LINES.
    WRITE REPORT-OUT FROM DETAIL-LINES-3-X AFTER POSITIONING 1
          LINES.
AVG-PRN.
```

```
           MOVE TOT-SALARY (M,N) TC NUM-VALS-W (N).
       HEADING-PRT.
           COMPUTE REDEF-2 = M + START-DATE-X - 1.
           MOVE REDEF-1 TO HEAD-X-13.
            WRITE REPORT-OUT FROM HEAD-1  AFTER POSITIONING 0 LINES.
            WRITE REPORT-OUT FROM HEAD-2  AFTER POSITIONING 2 LINES.
            WRITE REPORT-OUT FROM HEAD-3  AFTER POSITIONING 2 LINES.
            WRITE REPORT-OUT FROM HEAD-4  AFTER POSITIONING 2 LINES.
            WRITE REPORT-OUT FROM HEAD-5  AFTER POSITIONING 1 LINES.
            WRITE REPORT-OUT FROM HEAD-6  AFTER POSITIONING 1 LINES.
            WRITE REPORT-OUT FROM HEAD-7  AFTER POSITIONING 1 LINES.
            WRITE REPORT-OUT FROM HEAD-8  AFTER POSITIONING 1 LINES.
            WRITE REPORT-OUT FROM HEAD-9  AFTER POSITIONING 1 LINES.
            WRITE REPORT-OUT FROM HEAD-10 AFTER POSITIONING 1 LINES.
            WRITE REPORT-OUT FROM HEAD-11 AFTER POSITIONING 1 LINES.
            WRITE REPORT-OUT FROM HEAD-12 AFTER POSITIONING 1 LINES.
            WRITE REPORT-OUT FROM HEAD-13 AFTER POSITIONING 1 LINES.
            WRITE REPORT-OUT FROM HEAD-14 AFTER POSITIONING 1 LINES.
            WRITE REPORT-OUT FROM HEAD-15 AFTER POSITIONING 1 LINES.
            WRITE REPORT-OUT FROM HEAD-16 AFTER POSITIONING 1 LINES.
            WRITE REPORT-OUT FROM HEAD-17 AFTER POSITIONING 1 LINES.
            WRITE REPORT-OUT FROM HEAD-18 AFTER POSITIONING 1 LINES.
```

```
*STATISTICS*      SOURCE RECORDS =   703     DATA DIVISION STATEMENTS =   383     PROCEDURE DIVISION STATEMENTS =   242
*OPTIONS IN EFFECT*     SIZE =   94208  BUF =    7882  LINECNT = 57  SPACE1, FLAGW,   SEQ,   SOURCE
*OPTIONS IN EFFECT*    NODMAP, NOPMAP, NOCLIST,   SUPMAP, NOXREF,   LOAD, NODECK, APOST, NOTRUNC, NOLIB, NOVERB
*OPTIONS IN EFFECT*      ZWB
```

```
CARD   ERROR MESSAGE

535    IKF1120I-W     COMMA NCT FOLLCWED BY SPACE. ASSUMED.
536    IKF1120I-W     COMMA NOT FOLLOWED BY SPACE. ASSUMED.
538    IKF1120I-W     COMMA NOT FOLLOWED BY SPACE. ASSUMED.
539    IKF1120I-W     COMMA NCT FOLLOWED BY SPACE. ASSUMED.
591    IKF1120I-W     COMMA NCT FOLLCWED BY SPACE. ASSUMED.
591    IKF1120I-W     COMMA NCT FOLLOWED BY SPACE. ASSUMED.
593    IKF1120I-W     COMMA NCT FOLLCWED BY SPACE. ASSUMED.
594    IKF1120I-W     COMMA NCT FOLLOWED BY SPACE. ASSUMED.
595    IKF1120I-W     COMMA NCT FOLLOWED BY SPACE. ASSUMED.
595    IKF1120I-W     COMMA NCT FOLLOWED BY SPACE. ASSUMED.
614    IKF1120I-W     COMMA NOT FOLLOWED BY SPACE. ASSUMED.
614    IKF1120I-W     COMMA NOT FOLLOWED BY SPACE. ASSUMED.
620    IKF1120I-W     COMMA NCT FOLLOWED BY SPACE. ASSUMED.
620    IKF1120I-W     COMMA NCT FOLLCWED BY SPACE. ASSUMED.
621    IKF1120I-W     COMMA NCT FOLLOWED BY SPACE. ASSUMED.
621    IKF1120I-W     COMMA NCT FOLLOWED BY SPACE. ASSUMED.
622    IKF1120I-W     COMMA NCT FOLLOWED BY SPACE. ASSUMED.
622    IKF1120I-W     COMMA NOT FOLLOWED BY SPACE. ASSUMED.
623    IKF1120I-W     COMMA NCT FOLLOWED BY SPACE. ASSUMED.
623    IKF1120I-W     COMMA NCT FOLLCWED BY SPACE. ASSUMED.
628    IKF1120I-W     COMMA NOT FOLLOWED BY SPACE. ASSUMED.
628    IKF1120I-W     COMMA NCT FOLLCWED BY SPACE. ASSUMED.
629    IKF1120I-W     COMMA NCT FOLLCWED BY SPACE. ASSUMED.
629    IKF1120I-W     COMMA NCT FOLLOWED BY SPACE. ASSUMED.
668    IKF1120I-W     COMMA NCT FOLLOWED BY SPACE. ASSUMED.
669    IKF1120I-W     COMMA NOT FOLLOWED BY SPACE. ASSUMED.
682    IKF1120I-W     COMMA NCT FOLLOWED BY SPACE. ASSUMED.
```

OS/360 LOADER

OPTIONS USED - PRINT,MAP,NOLET,CALL,RES,NOTERM,SIZE=77824,NAME=**GO

NAME	TYPE	ADDR	NAME	TYPE	ADDR	NAME	TYPE	ADDR	NAME	TYPE	ADDR	NAME	TYPE	ADDR
BRYANUP	SD	26810	ILBOSTPO*	SD	2C538	ILBOSTP1*	LR	2C54E	SPIE *	SD	2C570			

TOTAL LENGTH 62C8
ENTRY ADDRESS 26810

COMPUTER PROGRAM FOR

PRINTING A OVERALL SUMMARY

OF INFORMATION

ON VOCATIONAL STUDENTS

IN THE FOLLOW-UP PROGRAM

WHO HAVE EXITED

THE LOCAL SCHOOL SYSTEM

```
//JCRF      JOB (00504,201-B,002,005,8H),'JCRF TEST BHS SUMMA-            JOB 149
***CLASS         D
***SETUP
// EXEC COBU
XXONESTEP EXEC PGM=ANSCOBCL,REGION=110K                                  00020000
***                                                                      00040000
***              JCL STATEMENTS FOR THE ANS COMPILER                     00060000
***                                                                      00080000
XXSYSUT1     DD UNIT=SYSDA,SPACE=(TRK,(100,20))                          00100000
XXSYSUT2     DD UNIT=SYSDA,SPACE=(TRK,(100,20))                          00120000
XXSYSUT3     DD UNIT=SYSDA,SPACE=(TRK,(100,20))                          00140000
XXSYSUT4     DD UNIT=SYSDA,SPACE=(TRK,(100,20))                          00160000
XXSYSPRT     DD SYSOUT=A                                                 00180000
XXSYSPUNCH   DD SYSOUT=B                                                 00200000
XXSYSLIN     DD UNIT=SYSDA,SPACE=(TRK,(100,20)),DISP=(MOD,DELETE),       00220000
XX              DCB=(BLKSIZE=2240,BUFNO=2),DSN=&&LOADSET                 00240000
***                                                                      00260000
***              JCL STATEMENTS FOR THE LOADER                           00280000
***                                                                      00300000
XX           DD DDNAME=OBJECT        HEX DECKS FOR LOADER                00320000
XXSYSLIB     DD DSN=SYS1.COBLIB,DISP=SHR                                 00340000
XX           DD DSN=SYS1.DPCLIB,DISP=SHR                                 00360000
XXSYSLOUT    DD SYSOUT=A                                                 00380000
***                                                                      00400000
***              DPC PROVIDED JCL STATEMENTS FOR USER PROGRAM            00420000
***                                                                      00440000
XXPRINTER    DD SYSOUT=A                                                 00460000
XXREADER     DD DDNAME=SYSIN                                             00480000
XXSYSOUT     DD SYSOUT=A                                                 00500000
XXPUNCH      DD SYSOUT=B                                                 00520000
***                                                                      00540000
***              JCL STATEMENTS PROVIDED BY USER                         00560000
***                                                                      00580000
//SOURCE DD *
//MASTIN   DD UNIT=TAPE9,DISP=(OLD,KEEP),DSN=BHSMST,LABEL=(,SL),         X
//              VOL=SER=006039,DCB=(RECFM=FB,LRECL=650,BLKSIZE=6500)
//SYSOUT DD SYSOUT=A
//PRINTER DD SYSOUT=A
//SYSIN DD *
//
IEF236I ALLOC. FOR JCRF47    ONESTEP
IEF237I 135    ALLOCATED TO SYSUT1
IEF237I 171    ALLOCATED TO SYSUT2
IEF237I 171    ALLOCATED TO SYSUT3
IEF237I 131    ALLOCATED TO SYSUT4
IEF237I 604    ALLOCATED TO SYSPRT
IEF237I 633    ALLOCATED TO SYSPUNCH
IEF237I 135    ALLOCATED TO SYSLIN
IEF237I 130    ALLOCATED TO SYSLIB
IEF237I 390    ALLOCATED TO
IEF237I 605    ALLOCATED TO SYSLOUT
IEF237I 60E    ALLOCATED TO PRINTER
IEF237I 654    ALLOCATED TO READER
IEF237I 60F    ALLOCATED TO SYSOUT
IEF237I 634    ALLOCATED TO PUNCH
IEF237I 651    ALLOCATED TO SOURCE
IEF237I 282    ALLOCATED TO MASTIN
IEF237I 610    ALLOCATED TO SYSOUT
IEF237I 611    ALLOCATED TO PRINTER
IEF285I    SYS73046.T055850.RV000.JCRF47.R0000001         DELETED
IEF285I    VOL SER NOS= 888888.
```

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I[illegible]35  [illegible]S73[illegible]T09[illegible].PV[illegible]JCR[illegible]000[illegible]      DEL[illegible]
IEF285.   VOL SER NOS= DUBL05.
IEF285I   SYS73046.T095850.RV000.JCRF47.R0000003       DELETED
IEF285I   VOL SER NOS= DUBL05.
IEF285I   SYS73046.T095850.RV000.JCRF47.R0000004       DELETED
IEF285I   VOL SER NOS= 555555.
IEF285I   SYS73046.T095850.RV000.JCRF47.R0000005       DELETED
IEF285I   VOL SER NOS=       .
IEF285I   SYS73046.T095850.RV000.JCRF47.R0000006       DELETED
IEF285I   VOL SER NOS=       .
IEF285I   SYS73046.T095850.RV000.JCRF47.LOADSET        DELETED
IEF285I   VOL SER NOS= 888888.
IEF285I   SYS1.COBLIB                                  KEPT
IEF285I   VOL SER NOS= SYSRES.
IEF285I   SYS1.DPCLIB                                  KEPT
IEF285I   VOL SER NOS= 444444.
IEF285I   SYS73046.T095850.RV000.JCRF47.R0000007       DELETED
IEF285I   VOL SER NOS=       .
IEF285I   SYS73046.T095850.RV000.JCRF47.R0000008       DELETED
IEF285I   VOL SER NOS=       .
IEF285I   SYS73046.T095850.RV000.JCRF47.R0000014       DELETED
IEF285I   VOL SER NOS=       .
IEF285I   SYS73046.T095850.RV000.JCRF47.R0000011       DELETED
IEF285I   VOL SER NOS=       .
IEF285I   BHSMST                                       KEPT
IEF285I   VOL SER NOS= 006039.
IEF280E K 282,006039,JCRF47,CNESTEP,BHSMST
TAM001I STEP /ONESTEP/ MAXIMUM CORE USED = 108K, EXECUTE TIME = 0.54
```

```
       IDENTIFICATION DIVISION.
       PROGRAM-ID. 'BRYANUP'.
       AUTHOR.  JCRF.
       DATE-WRITTEN. MARCH 1972.
       INSTALLATION. TEXAS A & M UNIVERSITY.
       ENVIRONMENT DIVISION.
       CONFIGURATION SECTION.
       SOURCE-COMPUTER. IBM-360-I65.
       OBJECT-COMPUTER. IBM-360-I65.
       INPUT-OUTPUT SECTION.
       FILE-CONTROL.
           SELECT INPUT-CARDS ASSIGN TO UT-S-READER.
           SELECT PRINT-OUTS  ASSIGN TO UT-S-PRINTER.
           SELECT MAST-IN        ASSIGN TO UT-2400-S-MASTIN.
       DATA DIVISION.
       FILE SECTION.
       FD  INPUT-CARDS RECORDING MODE IS F LABEL RECORDS ARE OMITTED
           DATA RECORD IS INPUT-RECORD.
       01  INPUT-RECORD.
           02  IN-X-TEST PICTURE X OCCURS 80 TIMES.
       FD  PRINT-OUTS RECORDING MODE F LABEL RECORDS ARE OMITTED
                      DATA RECORD IS PRINT-RECORD, REPORT-OUT.
       01  PRINT-RECORD PICTURE X(132).
       01  REPORT-OUT PICTURE X(132).
       FD  MAST-IN RECORDING MODE F LABEL RECORDS ARE STANDARD
             BLOCK CONTAINS 0 RECORDS RECORD CONTAINS 650 CHARACTERS
             DATA RECORD IS MAST-IN-REC.
       01  MAST-IN-REC PICTURE X(650).
       WORKING-STORAGE SECTION.
       77  FIND-W-S  PICTURE X(60) VALUE 'BRYAN H S WORKING STORAGE '.
       77  NO-READ       PICTURE  9(6) VALUE ZERO.
       77  NO-WRITTEN    PICTURE  9(6) VALUE ZERO.
       77  NO-CHANGES    PICTURE  9(6) VALUE ZERO.
       77  NO-ADDS       PICTURE  9(6) VALUE ZERO.
       77  I             PICTURE  S99 COMPUTATIONAL VALUE ZERO.
       77  J             PICTURE  S99 COMPUTATIONAL VALUE ZERO.
       77  K             PICTURE  S99 COMPUTATIONAL VALUE ZERO.
       77  L             PICTURE  S99 COMPUTATIONAL VALUE ZERO.
       77  M             PICTURE  S99 COMPUTATIONAL VALUE ZERO.
       77  N             PICTURE  S99 COMPUTATIONAL VALUE ZERO.
       77  A             PICTURE  S99 COMPUTATIONAL VALUE ZERO.
       77  CHNG-EOF-FLG PICTURE 9 VALUE 0.
       01  OLD-YR-F-U PICTURE XX VALUE ' '.
       01  OLD-CAMPUS-CODE PICTURE XXX VALUE ' '.
       01  CHANGE-CARDS.
           02  ID-NO-1                   PICTURE X(9).
           02  ID-NO-2 REDEFINES ID-NO-1 PICTURE X OCCURS 9 TIMES.
           02  CARD-TYPE-1.
               03  CARD-CODE-1           PICTURE X.
               03  CRD-CC   REDEFINES CARD-CODE-1 PICTURE 9.
               03  CARD-CHNG-1           PICTURE X(69).
               03  COL-80-1              PICTURE X.
           02  CARD-TYPE-2 REDEFINES CARD-TYPE-1.
               03  CARD-CODE-2           PICTURE X.
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               03  UPDATE-CODE-3                          PICTURE 99.
               03  UPDATE-CODE-5 REDEFINES UPDATE-CODE-3.
                   04  UPDATE-CODE-1 PICTURE X OCCURS 2 TIMES.
               03  FIELD-VAL              PICTURE X(62).
               03  DATE-OF-UPDATE         PICTURE X(6).
               03  DAT-OF-UP REDEFINES DATE-OF-UPDATE PICTURE X
                               OCCURS 6 TIMES.
       01  STUDENT-RECORD.
           02  DELETE-CODE                PICTURE X.
           02  ID-NO-3                    PICTURE X(9).
           02  TYPE-CODE-1                PICTURE X.
           02  RECORD-TYPE-1.
               03  RECORD-BLOCK PICTURE X(69) OCCURS 9 TIMES.
           02  RECORD-TYPE-2 REDEFINES RECORD-TYPE-1.
               03  L-NAME-1               PICTURE X(12).
               03  F-NAME-1               PICTURE X(10).
               03  M-I-1                  PICTURE X(01).
               03  EMPL-1                 PICTURE X(01).
               03  OCC-1                  PICTURE X(15).
               03  O-E-CODE-1             PICTURE X(07).
               03  JOB-TITLE-1            PICTURE X(13).
               03  HRS-DAY-1              PICTURE X(04).
               03  SALARY-1               PICTURE X(04).
               03  SEX-1                  PICTURE X(01).
               03  RACE-1                 PICTURE X(01).
               03  S-ADD-1                PICTURE X(21).
               03  S-CIT-1                PICTURE X(11).
               03  S-STA-1                PICTURE X(05).
               03  S-ZIP-1                PICTURE X(05).
               03  S-ARC-1                PICTURE X(03).
               03  S-PHN-1                PICTURE X(07).
               03  BIRTH-DATE-1           PICTURE X(06).
               03  DATE-REC-1             PICTURE X(06).
               03  CRS-CNT-1              PICTURE 9(02).
               03  FILLER                 PICTURE X(03).
               03  P-ADD-1                PICTURE X(21).
               03  P-CIT-1                PICTURE X(11).
               03  P-STA-1                PICTURE X(05).
               03  P-ZIP-1                PICTURE X(05).
               03  P-ARC-1                PICTURE X(03).
               03  P-PHN-1                PICTURE X(07).
               03  REMARK-1               PICTURE X(17).
               03  E-ADD-1                PICTURE X(21).
               03  E-CIT-1                PICTURE X(11).
               03  E-STA-1                PICTURE X(05).
               03  E-ZIP-1                PICTURE X(05).
               03  E-ARC-1                PICTURE X(03).
               03  E-PHN-1                PICTURE X(07).
               03  E-NAM-1                PICTURE X(17).
               03  CRS-RECORDS OCCURS 5 TIMES.
                   04  VOC-CRS-1          PICTURE X(04).
                   04  O-E-COD-2          PICTURE X(07).
                   04  HRS-CRS-1          PICTURE X(04).
                   04  SCH-ATT-1          PICTURE X(03).
                   04  GRADE-1            PICTURE X(02).
                   04  VOC-TEACH-1        PICTURE X(17).
                   04  DATE-ENT-1         PICTURE X(04).
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            04  DATE-EXIT-1      PICTURE X(04).
            04  REASON-EXIT-1    PICTURE X(04).
            04  REMARK-2         PICTURE X(20).
     02  RECORD-TYPE-3 REDEFINES RECORD-TYPE-1.
         03  L-NAME-2            PICTURE X(12).
         03  F-NAME-2            PICTURE X(10).
         03  M-I-2               PICTURE X(01).
         03  EMPL-2              PICTURE X(01).
         03  OCC-2               PICTURE X(15).
         03  O-E-CODE-2          PICTURE X(07).
         03  JOB-TITLE-2         PICTURE X(12).
         03  HRS-DAY-2           PICTURE X(05).
         03  SALARY-2            PICTURE X(04).
         03  SEX-2               PICTURE X(01).
         03  RACE-2              PICTURE X(01).
         03  L-NAME-3            PICTURE X(12).
         03  F-NAME-3            PICTURE X(10).
         03  M-I-3               PICTURE X(01).
         03  SALARY-3            PICTURE X(04).
         03  NO-OF-EMPL-2        PICTURE X(03).
         03  YEAR-OF-1ST-ENTRY   PICTURE X(02).
         03  REMARK-3            PICTURE X(35).
         03  CRS-CNT-2           PICTURE 9(02).
         03  S-ADD-2             PICTURE X(21).
         03  S-CIT-2             PICTURE X(11).
         03  S-STA-2             PICTURE X(05).
         03  S-ZIP-2             PICTURE X(05).
         03  S-ARC-2             PICTURE X(03).
         03  S-PHN-2             PICTURE X(07).
         03  BIRTH-DATE-2        PICTURE X(06).
         03  DATE-REC-2          PICTURE X(06).
         03  STEP-ENCR-2         PICTURE X(01).
         03  FILLER              PICTURE X(04).
         03  E-ADD-2             PICTURE X(21).
         03  E-CIT-2             PICTURE X(11).
         03  E-STA-2             PICTURE X(05).
         03  E-ZIP-2             PICTURE X(05).
         03  E-ARC-2             PICTURE X(03).
         03  E-PHN-2             PICTURE X(07).
         03  E-NAM-2             PICTURE X(17).
         03  CRS-RECORDS-2 OCCURS 5 TIMES.
             04  VOC-CRS-2         PICTURE X(04).
             04  O-E-COD-3         PICTURE X(07).
             04  HRS-CRS-2         PICTURE X(04).
             04  SCT-ATT-2         PICTURE X(03).
             04  GRADE-2           PICTURE X(02).
             04  VOC-TEACH-2       PICTURE X(17).
             04  DATE-EXIT-2       PICTURE X(04).
             04  REASON-EXIT-2     PICTURE X(04).
             04  VOC-Y-N-2         PICTURE X(01).
             04  HRS-COMPL-2       PICTURE X(04).
             04  PER-CEN-COM-2     PICTURE X(03).
             04  POST-EXIT-ACT-2   PICTURE X(04).
             04  DATE-ENT-2        PICTURE X(04).
             04  EXIT-2 PICTURE X(4).
             04  FILLER            PICTURE X(04).
 01  REPORT-TYPE-FLAGS.
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           02  DATE-OF-REPORT PICTURE X(8).
           02  TYPE-OF-REPORT PICTURE 9.
       01  REDEF-FIELDS.
           02  REDEF-1 PICTURE XX.
           02  REDEF-2 REDEFINES REDEF-1 PICTURE 99.
           02  REDEF-3 REDEFINES REDEF-1 PICTURE X OCCURS 2 TIMES.
       01  NAME-FIELDS.
           02  L-N-X.
               03  L-N-Y PICTURE X OCCURS 13 TIMES.
           02  F-N-X.
               03  F-N-X PICTURE X OCCURS 11 TIMES.
       01  ERROR-FLAG PICTURE 9 VALUE ZERO.
       01  OLD-CAMPUS-CD      PICTURE X(03) VALUE ' '.
       01  OLD-VOC-CRS-CD     PICTURE X(04) VALUE ' '.
       01  OLD-INSTR-NAME     PICTURE X(17) VALUE ' '.
       01  SQUEEZ-FIELDS.
           02  SQ-FIELD-A     PICTURE X(21).
           02  SQ-FIELD-1 REDEFINES SQ-FIELD-A.
               03  SQ-ZONE-I PICTURE X OCCURS 21  TIMES.
           02  SQ-FIELD-B     PICTURE X(21).
           02  SQ-FIELD-2 REDEFINES SQ-FIELD-B.
               03  SQ-ZONE-J PICTURE X OCCURS 21  TIMES.
           02  SQ-FIELD-C     PICTURE X(21).
           02  SQ-FIELD-3 REDEFINES SQ-FIELD-C.
               03  SQ-ZONE-K PICTURE X OCCURS 21  TIMES.
           02  SQ-FIELD-D     PICTURE X(21).
           02  SQ-FIELD-4 REDEFINES SQ-FIELD-D.
               03  SQ-ZONE-L PICTURE X OCCURS 21  TIMES.
       01  LINE-COUNT PICTURE 99 VALUE 13.
       01  CAMPUS-LIST.
           02  C-LIST-1  PICTURE X(50) VALUE
               '000EDUCATIONAL SERVICE CENTER                    '.
           02  C-LIST-2  PICTURE X(50) VALUE
               '002STEPHAN F AUSTIN                              '.
           02  C-LIST-3  PICTURE X(50) VALUE
               '001BRYAN HIGH                                    '.
           02  C-LIST-4  PICTURE X(50) VALUE
               '041ANSON JONES                                   '.
           02  C-LIST-5  PICTURE X(50) VALUE
               '042LAMAR                                         '.
           02  C-LIST-6  PICTURE X(50) VALUE
               '111NEAL                                          '.
           02  C-LIST-7  PICTURE X(50) VALUE
               '101BONHAM                                        '.
           02  C-LIST-8  PICTURE X(50) VALUE
               '102BOWIE                                         '.
           02  C-LIST-9  PICTURE X(50) VALUE
               '103CARVER-KEMP                                   '.
           02  C-LIST-10 PICTURE X(50) VALUE
               '104CROCKETT                                      '.
           02  C-LIST-11 PICTURE X(50) VALUE
               '105FANNIN                                        '.
           02  C-LIST-12 PICTURE X(50) VALUE
               '106MILAM                                         '.
           02  C-LIST-13 PICTURE X(50) VALUE
               '107ROSS                                          '.
           02  C-LIST-14 PICTURE X(50) VALUE
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               '108TRAVIS                          '.
           02  C-LIST-15 PICTURE X(50) VALUE
               '109WASHINGTON CAMPUS               '.
           02  C-LIST-16 PICTURE X(50) VALUE
               '110HENDERSON                       '.
           02  C-LIST-17 PICTURE X(50) VALUE
               '200LIBRARY PROCESSING CENTER       '.
           02  C-LIST-18 PICTURE X(50) VALUE
               '201WAREHOUSE                       '.
       01  CAMPUS-LIST-2 REDEFINES CAMPUS-LIST.
           02  C-LST-X OCCURS 18 TIMES.
               03  CAMP-CODE PICTURE XXX.
               03  CAMP-NAME PICTURE X(47).
       01  VOC-PROGRAM.
           02  VOC-PROG-1    PICTURE X(50) VALUE
               'CCAGCOOPERATIVE AGRICULTURE                        '.
           02  VOC-PROG-2    PICTURE X(50) VALUE
               'VCAGVOCATIONAL AGRICULTURE                         '.
           02  VOC-PROG-3    PICTURE X(50) VALUE
               'AMECAUTO MECHANICS                                 '.
           02  VOC-PROG-4    PICTURE X(50) VALUE
               'BLTDBUILDING TRADES                                '.
           02  VOC-PROG-5    PICTURE X(50) VALUE
               'CSMGCOSMETOLOGY                                    '.
           02  VOC-PROG-6    PICTURE X(50) VALUE
               'CVAECOORDINATED VOC. ACADEMIC TRAINING             '.
           02  VOC-PROG-7    PICTURE X(50) VALUE
               'DETRDISTRIBUTED EDUCATION TRAINING                 '.
           02  VOC-PROG-8    PICTURE X(50) VALUE
               'DPTRDATA PROCESSING TRAINING                       '.
           02  VOC-PROG-9    PICTURE X(50) VALUE
               'ICTRINDUSTRIAL COOPERATIVE TRAINING                '.
           02  VOC-PROG-10   PICTURE X(50) VALUE
               'HEC  OME ECONOMIC COOPERATIVE EDUCATION            '.
           02  VOC-PROG-11   PICTURE X(50) VALUE
               'HOCTHEALTH OCCUPATIONS COOPERATIVE TRAINING        '.
           02  VOC-PROG-12   PICTURE X(50) VALUE
               'PELBPRE EMPLOYMENT LAB                             '.
           02  VOC-PROG-13   PICTURE X(50) VALUE
               'HMKTHOME MAKING TRAINING                           '.
           02  VOC-PROG-14   PICTURE X(50) VALUE
               'VONRVOCATIONAL NURSE TRAINING                      '.
           02  VOC-PROG-15   PICTURE X(50) VALUE
               'VOEDVOCATIONAL OFFICE EDUCATION                    '.
           02  VOC-PROG-16   PICTURE X(50) VALUE
               'BVAEBUILDING TRADES ACADEMIC EDUCATION             '.
           02  VOC-PROG-17   PICTURE X(50) VALUE
               'HVAEHORTICULTURE ACADEMIC EDUCATION                '.
           02  VOC-PROG-18   PICTURE X(50) VALUE
               'DVAEOFFICE DUPLICATION ACADEMIC EDUCATION          '.
       01  VOC-PROGRAM-1 REDEFINES VOC-PROGRAM.
           02  PROG-LIST OCCURS 18 TIMES.
               03  PROG-CODE-X PICTURE XXXX.
               03  PROG-NAME-X PICTURE X(46).
       01  NUMBERS-ARRAY.
           02  ACROSS-PAGE OCCURS 14 TIMES.
               03  DOWN-PAGE OCCURS 11 TIMES.
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                  04  FOLK-CCUNT PICTURE 9999.
                  04  PER-CENT   PICTURE 999V99.
               03  TOT-SALARY PICTURE  9(9)V99.
       01  CODE-TEST-SPOT-1.
           02  FIRST-PART-1 PICTURE XX.
           02  PERIOD-1     PICTURE X.
           02  CODE-PART-1  PICTURE XX.
           02  JUNK-PART-1  PICTURE XX.
       01  CODE-TEST-SPOT-2.
           02  FIRST-PART-2 PICTURE XX.
           02  PERIOD-2     PICTURE X.
           02  CODE-PART-2  PICTURE XX.
           02  JUNK-PART-2  PICTURE XX.
       01  SALARY-DECODE.
           02  SAL-1 PICTURE X(6).
           02  SAL-2 REDEFINES SAL-1.
               03  SAL-4 PICTURE X OCCURS 6 TIMES.
           02  SAL-5 REDEFINES SAL-1 PICTURE 9999V99.
           02  SAL-6 REDEFINES SAL-1.
               03  SAL-7 PICTURE XXXX.
               03  SAL-8 PICTURE XX.
       01  HEAD-1.
           02  HEAD-X-1  PICTURE X(25) VALUE
               '1                       '.
           02  HEAD-X-2  PICTURE X(25) VALUE
               '                   B R Y'.
           02  HEAD-X-3  PICTURF X(25) VALUE
               ' A N  P U B L I C  S C H '.
           02  HEAD-X-4  PICTUPE X(25) VALUE
               'O O L S                 '.
       01  HEAD-2.
           02  HEAD-X-5  PICTURE X(25) VALUE
               'O                       '.
           02  HEAD-X-6  PICTURE X(25) VALUE
               '                   V O C'.
           02  HEAD-X-7  PICTURE X(25) VALUE
               ' A T I O N A L  E D U C A'.
           02  HEAD-X-8  PICTURE X(25) VALUE
               ' T I O N  D E P A R T M E'.
           02  HEAD-X-9  PICTURE X(25) VALUE
               ' N T                     '.
       01  HEAD-3.
           02  HEAD-X-10 PICTURE X(25) VALUE
               'O                       '.
           02  HEAD-X-11 PICTURE X(25) VALUE
               '                   F O L'.
           02  HEAD-X-12 PICTURE X(25) VALUE
               ' L O W - U P  A S  O F  '.
           02  HEAD-X-13 PICTURE X(25) VALUE   ' '.
       01  HEAD-4.
           02  HEAD-3-1  PICTURE X(26) VALUE ' '.
           02  HEAD-1-1  PICTURE X(50) VALUE
              'A    A     B  T    C   A     C     D  P    D  E'.
           02  HEAD-2-1  PICTURE X(60) VALUE
              '  H  O    H   I C T   L V N    V A E   V O E     T'.
       01  HEAD-5.
           02  HEAD-3-2  PICTURE X(26) VALUE ' '.
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           02  HEAD-1-2  PICTURE X(50) VALUE
            'G      U      U R   O  C     O    A  R    I  D'.
           02  HEAD-2-2  PICTURE X(60) VALUE
            '  E C       O  N O R  I O U   O C D  O F D     O'.
       01  HEAD-6.
           02  HEAD-3-3  PICTURE X(26) VALUE ' '.
           02  HEAD-1-3  PICTURE X(50) VALUE
            'R      T      I  A   O  A     S    T  O    S  U'.
           02  HEAD-2-3  PICTURE X(60) VALUE
            '  A C       M   D O A  C C R   C A U  C F U     T'.
       01  HEAD-7.
           02  HEAD-3-4  PICTURE X(26) VALUE ' '.
           02  HEAD-1-4  PICTURE X(50) VALUE
            'I      O      L  D   P  D     M    A  C    T  C'.
           02  HEAD-2-4  PICTURE X(60) VALUE
            '  L  U      E  U P I  E A S   A D C  A I C     A'.
       01  HEAD-8.
           02  HEAD-3-5  PICTURE X(26) VALUE ' '.
           02  HEAD-1-5  PICTURE X(50) VALUE
            'C             D  E   .  E     E         E  R  A'.
           02  HEAD-2-5  PICTURE X(60) VALUE
            '  T  P .    M  S E N  N T I   T E A  T C A     L'.
       01  HEAD-9.
           02  HEAD-3-6  PICTURE X(26) VALUE ' '.
           02  HEAD-1-6  PICTURE X(50) VALUE
            'U      M      I  S      M     T         S  I  T'.
           02  HEAD-2-6  PICTURE X(60) VALUE
            '  H  A      A  T R I  S I N   I M T  I E T     S'.
       01  HEAD-10.
           02  HEAD-3-7  PICTURE X(26) VALUE ' '.
           02  HEAD-1-7  PICTURE X(50) VALUE
            'L      E      N      V  I     O         S  B  I'.
           02  HEAD-2-7  PICTURE X(60) VALUE
            '     T      K  R A N  E O G   O I I  O  I      '.
       01  HEAD-11.
           02  HEAD-3-8  PICTURE X(26) VALUE ' '.
           02  HEAD-1-8  PICTURE X(50) VALUE
            'T      C      G      O  C     L         I  U  O'.
           02  HEAD-2-8  PICTURE X(60) VALUE
            '     I      I  I T G  D N     N C O  N  O      '.
       01  HEAD-12.
           02  HEAD-3-9  PICTURE X(26) VALUE ' '.
           02  HEAD-1-9  PICTURE X(50) VALUE
            'U      H             C        O         N  T  N'.
           02  HEAD-2-9  PICTURE X(60) VALUE
            '     O      N  A I      A     A  N  A  N       '.
       01  HEAD-13.
           02  HEAD-3-10 PICTURE X(26) VALUE ' '.
           02  HEAD-1-10 PICTURE X(50) VALUE
            'R      A             .  E     G         G  I   '.
           02  HEAD-2-10 PICTURE X(60) VALUE
            '     N      G  L V      L     L     L          '.
       01  HEAD-14.
           02  HEAD-3-11 PICTURE X(26) VALUE ' '.
           02  HEAD-1-11 PICTURE X(50) VALUE
            'E      N                D     Y            V   '.
           02  HEAD-2-11 PICTURE X(60) VALUE
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            '         S              E                                  '.
       01  HEAD-15.
           02  HEAD-3-12 PICTURE X(26) VALUE ' '.
           02  HEAD-1-12 PICTURE X(50) VALUE
            '       I                U                        E   '.
           02  HEAD-2-12 PICTURE X(60) VALUE
            '                                                   '.
       01  HEAD-16.
           02  HEAD-3-13 PICTURE X(26) VALUE ' '.
           02  HEAD-1-13 PICTURE X(50) VALUE
            '         C              C                        '.
           02  HEAD-2-13 PICTURE X(60) VALUE  ' '.
       01  HEAD-17.
           02  HEAD-3-14 PICTURE X(26) VALUE ' '.
           02  HEAD-1-14 PICTURE X(50) VALUE
            '         S              .                        '.
           02  HEAD-2-14 PICTURE X(60) VALUE  ' '.
       01  HEAD-18.
           02  FILLER PICTURE XX VALUE ' '.
       01  DETAIL-LINE-1-X.
           02  CODE-PLACE-X PICTURE X(18).
           02  CODE-PLACE-P PICTURE X(3) VALUE 'NO.'.
           02  NUM-LINES-X.
             03  NUM-VALS-1-X OCCURS 14 TIMES.
                 04  NUM-VALS-X PICTURE Z(7).
                 04  FILLER PICTURE X.
       01  DETAIL-LINE-2-X.
           02  CODE-PLACE-Y PICTURE X(18).
           02  CODE-PLACE-Q PICTURE XXX VALUE '0/0'.
           02  NUM-LINES-Y.
             03  NUM-VALS-1-Y OCCURS 14 TIMES.
                 04  NUM-VALS-Y PICTURE Z(4)9.9.
                 04  FILLER PICTURE X.
       01  DETAIL-LINES-3-X.
           02  CODE-PLACE-Z PICTURE X(18).
       01  DETAIL-LINES-4-X.
           02  CODE-PLACE-W PICTURE X(21).
           02  NUM-LINES-W.
             03  NUM-VALS-1-W OCCURS 14 TIMES.
                 04  NUM-VALS-W PICTURE $$$,$$9.
                 04  FILLER PICTURE X.
       01  SIDE-MARGINS.
           02  MARGIN-PICTURES.
               03  MARGIN-1  PICTURE X(18) VALUE
            ' TOTAL IN         '.
               03  MARGIN-2  PICTURE X(18) VALUE
            ' FOLLOW-UP        '.
               03  MARGIN-3  PICTURE X(18) VALUE
            '                  '.
               03  MARGIN-4  PICTURE X(18) VALUE
            ' NO STATUS        '.
               03  MARGIN-5  PICTURE X(18) VALUE
            ' KNOWN            '.
               03  MARGIN-6  PICTURE X(18) VALUE
            '                  '.
               03  MARGIN-7  PICTURE X(18) VALUE
            ' ENTERED ARMED    '.
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                03  MARGIN-8  PICTURE X(18) VALUE
             ' FORCES           '.
                03  MARGIN-9  PICTURE X(18) VALUE
             '                  '.
               .03  MARGIN-10 PICTURE X(18) VALUE
             ' CONTINUED SCHOOL '.
                03  MARGIN-11 PICTURE X(18) VALUE
             ' FULL TIME        '.
                03  MARGIN-12 PICTURE X(18) VALUE
             '                  '.
                03  MARGIN-13 PICTURE X(18) VALUE
             ' OTHERS NOT IN    '.
                03  MARGIN-14 PICTURE X(18) VALUE
             ' LABOR FORCE      '.
                03  MARGIN-15 PICTURE X(18) VALUE
             '                  '.
                03  MARGIN-16 PICTURE X(18) VALUE
             ' E F IN TRAINED   '.
                03  MARGIN-17 PICTURE X(18) VALUE
             ' M U OCCUPATION   '.
                03  MARGIN-18 PICTURE X(18) VALUE
             ' P L              '.
                03  MARGIN-19 PICTURE X(18) VALUE
             ' L L IN RELATED   '.
                03  MARGIN-20 PICTURE X(18) VALUE
             ' O - OCCUPATION   '.
                03  MARGIN-21 PICTURE X(18) VALUE
             ' Y T              '.
                03  MARGIN-22 PICTURE X(18) VALUE
             ' E I IN OTHER     '.
                03  MARGIN-23 PICTURE X(18) VALUE
             ' D M OCCUPATION   '.
                03  MARGIN-24 PICTURE X(18) VALUE
             '   E              '.
                03  MARGIN-25 PICTURE X(18) VALUE
             ' EMPLOYED         '.
                03  MARGIN-26 PICTURE X(18) VALUE
             ' PART TIME        '.
                03  MARGIN-27 PICTURE X(18) VALUE
             '                  '.
                03  MARGIN-28 PICTURE X(18) VALUE
             ' UNEMPLOYED       '.
                03  MARGIN-29 PICTURE X(18) VALUE
             ' SEEKING          '.
                03  MARGIN-30 PICTURE X(18) VALUE
             ' EMPLOYMENT       '.
                03  MARGIN-31 PICTURE X(18) VALUE
             ' AVERAGE          '.
                03  MARGIN-32 PICTURE X(18) VALUE
             ' SALARY           '.
                03  MARGIN-33 PICTURE X(18) VALUE
             ' PER MONTH        '.
            02  MARGIN-X REDEFINES MARGIN-PICTURES.
                03  MARGIN-Y OCCURS 33 TIMES PICTURE X(18).
        01  EXTRA-CNTS-JCRF.
            02  EXTRA-CNT-JC-1 OCCURS 14 TIMES PICTURE 9999.
        PROCEDURE DIVISION.
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START-PROGRAM.
    CALL 'SPIE'.
    OPEN INPUT INPUT-CARDS.
    READ INPUT-CARDS INTO REPORT-TYPE-FLAGS AT END
      MOVE 'CURRENT' TO REPORT-TYPE-FLAGS.
    CLOSE INPUT-CARDS.
    OPEN OUTPUT PRINT-OUTS.
    OPEN INPUT MAST-IN.
    MOVE ' ' TO DETAIL-LINE-2-X.
    MOVE ' ' TO DETAIL-LINE-1-X.
    MOVE ' ' TO DETAIL-LINES-4-X.
    PERFORM ZRO-ARRAY VARYING I FROM 1 BY 1 UNTIL I > 14.
BIG-LOOP.
    READ MAST-IN INTO STUDENT-RECORD AT END GO TO LAST-IN.
    IF TYPE-CODE-1 = '1' GO TO BIG-LOOP.
    PERFORM COUNTS-CRS VARYING L FROM 1 BY 1 UNTIL L > CRS-CNT-2.
    GO TO BIG-LOOP.
ZRO-ARRAY.
    PERFORM ZRO-ARR-2 VARYING L FROM 1 BY 1 UNTIL L > 11.
    MOVE ZERO TO TOT-SALARY (I).
    MOVE ZERO TO EXTRA-CNT-JC-1 (I).
ZRO-ARR-2.
    MOVE ZERO TO FOLK-CCUNT (I, L).
    MOVE ZERO TO PER-CENT   (I, L).
COUNTS-CRS SECTION.
    COMPUTE I = L.
    MOVE ZERO TO J.
    COMPUTE A = L + 4.
    IF RECORD-BLOCK (A) = SPACES GO TO CNT-SECT-RTN.
    IF EXIT-2 (I) NOT = 'EXIT' GO TO CNT-SECT-RTN.
    IF VOC-Y-N-2 (I) = 'N' GO TO CNT-SECT-RTN.
    IF VOC-CRS-2 (I) = 'CVAE' MOVE 4 TO J GO TO FIND-DOWN.
    IF VOC-CRS-2 (I) = 'ICTR' MOVE 10 TO J GO TO FIND-DOWN.
    IF VOC-CRS-2 (I) = 'BVAE' MOVE 12 TO J GO TO FIND-DOWN.
    IF VOC-CRS-2 (I) = 'HVAE' MOVE 12 TO J GO TO FIND-DOWN.
    IF VOC-CRS-2 (I) = 'DVAE' MOVE 12 TO J GO TO FIND-DOWN.
    IF VOC-CRS-2 (I) = 'VAED' MOVE 12 TO J GO TO FIND-DOWN.
    IF VOC-CRS-2 (I) = 'COAG' MOVE  1 TO J GO TO FIND-DOWN.
    IF VOC-CRS-2 (I) = 'VOAG' MOVE  1 TO J GO TO FIND-DOWN.
    IF VOC-CRS-2 (I) = 'AMEC' MOVE  2 TO J GO TO FIND-DOWN.
    IF VOC-CRS-2 (I) = 'BLTD' MOVE  3 TO J GO TO FIND-DOWN.
    IF VOC-CRS-2 (I) = 'CSMG' MOVE  5 TO J GO TO FIND-DOWN.
    IF VOC-CRS-2 (I) = 'DETR' MOVE  7 TO J GO TO FIND-DOWN.
    IF VOC-CRS-2 (I) = 'DPTR' MOVE  6 TO J GO TO FIND-DOWN.
    IF VOC-CRS-2 (I) = 'HECE' MOVE  9 TO J GO TO FIND-DOWN.
    IF VOC-CRS-2 (I) = 'HOCT' MOVE  8 TO J GO TO FIND-DOWN.
    IF VOC-CRS-2 (I) = 'PELB' MOVE  0 TO J GO TO FIND-DOWN.
    IF VOC-CRS-2 (I) = 'HMKT' MOVE  9 TO J GO TO FIND-DOWN.
    IF VOC-CRS-2 (I) = 'VONR' MOVE 11 TO J GO TO FIND-DOWN.
    IF VOC-CRS-2 (I) = 'VOED' MOVE 13 TO J GO TO FIND-DOWN.
MO-CODE-TEST.
    MOVE O-E-COD-3 (I) TO CODE-TEST-SPOT-1.
    IF FIRST-PART-1 = '14' AND CODE-PART-1 = '02' MOVE  6 TO J
      GO TO FIND-DOWN.
    IF FIRST-PART-1 = '17' AND CODE-PART-1 = '03' MOVE  2 TO J
      GO TO FIND-DOWN.
    IF FIRST-PART-1 = '17' AND CODE-PART-1 = '10' MOVE  3 TO J
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               GO TO FIND-DOWN.
           IF FIRST-PART-1 = '17' AND CODE-PART-1 = '26' MOVE  5 TO J
             GO TO FIND-DOWN.
           IF FIRST-PART-1 < '04' MOVE 1 TO J GO TO FIND-DOWN.
           IF FIRST-PART-1 < '07' MOVE  7 TO J GO TO FIND-DOWN.
           IF FIRST-PART-1 < '09' MOVE  8 TO J GO TO FIND-DOWN.
           IF FIRST-PART-1 < '14' MOVE  9 TO J GO TO FIND-DOWN.
           IF FIRST-PART-1 < '17' MOVE 13 TO J GO TO FIND-DOWN.
           MOVE 4 TO J.
       FIND-DOWN.
           IF J < 1 GO TO MO-CODE-TEST.
           ADD 1 TO FOLK-COUNT (J, 1), FOLK-COUNT (14, 1).
           PERFORM SALARY-CK.
           IF SAL-5 > 0 ADD 1 TO EXTRA-CNT-JC-1 (J),
                  EXTRA-CNT-JC-1 (14).
           ADD SAL-5 TO TOT-SALARY (J), TOT-SALARY (14).
           IF POST-EXIT-ACT-2 (I) = 'HISC' MOVE  4 TO K GO TO MO-SUM.
           IF POST-EXIT-ACT-2 (I) = 'COL2' MOVE  4 TO K GO TO MO-SUM.
           IF POST-EXIT-ACT-2 (I) = 'COL4' MOVE  4 TO K GO TO MO-SUM.
           IF POST-EXIT-ACT-2 (I) = 'VOTC' MOVE  4 TO K GO TO MO-SUM.
           IF POST-EXIT-ACT-2 (I) = 'ENAF' MOVE  3 TO K GO TO MO-SUM.
           IF POST-EXIT-ACT-2 (I) = 'MARD' MOVE  5 TO K GO TO MO-SUM.
           IF POST-EXIT-ACT-2 (I) = 'UNEM' MOVE 10 TO K GO TO MO-SUM.
           IF POST-EXIT-ACT-2 (I) = 'WORK' GO TO WHAT-WORK.
           MOVE 2 TO K.
           GO TO MO-SUM.
       WHAT-WORK.
           MOVE O-E-COD-3 (I) TO CODE-TEST-SPOT-1.
           MOVE O-E-CODE-2    TO CODE-TEST-SPOT-2.
           MOVE 8 TO K.
           IF FIRST-PART-1 = FIRST-PART-2 AND CODE-PART-1 =
              CODE-PART-2 MOVE 7 TO K.
           IF CODE-TEST-SPOT-1 = CODE-TEST-SPOT-2 MOVE 6 TO K.
       MO-SUM.
           ADD 1 TO FOLK-COUNT (J, K), FOLK-COUNT (14, K).
       CNT-SECT-RTN.
           EXIT.
       RATIO-SPOT SECTION.
           PERFORM FIRST-DIV.
       FIRST-DIV.
           IF EXTRA-CNT-JC-1 (I)  NOT < 1 COMPUTE TOT-SALARY (I) =
                TOT-SALARY (I) / EXTRA-CNT-JC-1 (I).
           IF FOLK-COUNT (14, 1) NOT < 1  COMPUTE PER-CENT (I, 1) =
                (FOLK-COUNT (I, 1) * 100) / FOLK-COUNT (14, 1).
           MOVE L TO L.
       OTHER-STUF.
           PERFORM BIG-DIV VARYING I FROM 1 BY 1 UNTIL I > 14.
       BIG-DIV.
           IF FOLK-COUNT (I, 1) NOT < 1 COMPUTE PER-CENT (I, L) =
                (FOLK-COUNT (I, L) * 100) / FOLK-COUNT (I, 1).
           MOVE L TO L.
       LAST-IN.
           CLOSE MAST-IN.
           PERFORM FIRST-DIV VARYING I FROM 1 BY 1 UNTIL I > 14.
           PERFORM OTHER-STUF VARYING L FROM 2 BY 1 UNTIL L > 10.
           PERFORM HEADING-PRT.
           PERFORM PRNT-LINES VARYING L FROM 1 BY 1 UNTIL L > 10.
```

```
           PERFORM LAST-LINES.
           MOVE ' ' TO REPCRT-OUT.
           WRITE REPORT-OUT            AFTER POSITIONING 0 LINES.
           CLOSE PRINT-OUTS.
           STOP RUN.
       SALARY-CK.
           MOVE '000000' TO SAL-1.
           MOVE SALARY-2 TO SAL-7.
           IF SAL-4 (2) = '.' MCVE SALARY-2 TO SALARY-DECODE
             MOVE SAL-4 (4) TO SAL-4 (5) MOVE '0' TO SAL-4 (4).
           PERFORM MO-CK-SAL VARYING N FROM 1 BY 1 UNTIL N > 6.
       MO-CK-SAL.
           IF SAL-4 (N) < '0' OR SAL-4 (N) > '9' MOVE '0' TO SAL-4 (N).
           MOVE L TO L.
       PRNT-LINES.
           COMPUTE J = (3  * L)  - 2.
           COMPUTE K = J + 1
           COMPUTE M = K + 1
           MOVE MARGIN-Y (J) TO CODE-PLACE-X.
           MOVE MARGIN-Y (K) TO CODE-PLACE-Y.
           MOVE MARGIN-Y (M) TO CODE-PLACE-Z.
           PERFORM MOVE-NUM1 VARYING N FROM 1 BY 1 UNTIL N > 14.
           WRITE REPORT-OUT FROM DETAIL-LINE-1-X AFTER POSITIONING 1
                 LINES.
           WRITE REPORT-OUT FROM DETAIL-LINE-2-X AFTER POSITIONING 1
                 LINES.
           WRITE REPORT-OUT FROM DETAIL-LINES-3-X AFTER POSITIONING 1
                 LINES.
       MOVE-NUM1.
           MOVE FOLK-COUNT (N, L) TC NUM-VALS-X (N).
           MOVE PER-CENT   (N, L) TO NUM-VALS-Y (N).
       LAST-LINES.
           MOVE MARGIN-31 TO CODE-PLACE-Z.
           WRITE REPORT-OUT FROM DETAIL-LINES-3-X AFTER POSITIONING 2
                 LINES.
           MOVE MARGIN-32 TO CODE-PLACE-W.
           MOVE MARGIN-33 TO CCDE-PLACE-Z.
           PERFORM AVG-PRN VARYING N FROM 1 BY 1 UNTIL N > 14.
           WRITE REPORT-OUT FROM DETAIL-LINES-4-X AFTER POSITIONING 1
                 LINES.
           WRITE REPORT-OUT FROM DETAIL-LINES-3-X AFTER POSITIONING 1
                 LINES.
       AVG-PRN.
           MOVE TOT-SALARY (N) TO NUM-VALS-W (N).
       HEADING-PRT.
            MOVE DATE-OF-REPORT TO HEAD-X-13.
            WRITE REPORT-OUT FROM HEAD-1  AFTER POSITIONING 0 LINES.
            WRITE REPORT-OUT FROM HEAD-2  AFTER POSITIONING 2 LINES.
            WRITE REPORT-OUT FROM HEAD-3  AFTER POSITIONING 2 LINES.
            WRITE REPORT-OUT FROM HEAD-4  AFTER POSITIONING 2 LINES.
            WRITE REPORT-OUT FROM HEAD-5  AFTER POSITIONING 1 LINES.
            WRITE REPORT-OUT FROM HEAD-6  AFTER POSITIONING 1 LINES.
            WRITE REPORT-OUT FROM HEAD-7  AFTER POSITIONING 1 LINES.
            WRITE REPORT-OUT FROM HEAD-8  AFTER POSITIONING 1 LINES.
            WRITE REPORT-OUT FROM HEAD-9  AFTER POSITIONING 1 LINES.
            WRITE REPORT-OUT FROM HEAD-10 AFTER POSITIONING 1 LINES.
            WRITE REPORT-OUT FROM HEAD-11 AFTER POSITIONING 1 LINES.
```

```
WRITE REPORT-OUT FROM HEAD-12 AFTER POSITIONING 1 LINES.
WRITE REPORT-OUT FROM HEAD-13 AFTER POSITIONING 1 LINES.
WRITE REPORT-OUT FROM HEAD-14 AFTER POSITIONING 1 LINES.
WRITE REPORT-OUT FROM HEAD-15 AFTER POSITIONING 1 LINES.
WRITE REPORT-OUT FROM HEAD-16 AFTER POSITIONING 1 LINES.
WRITE REPORT-OUT FROM HEAD-17 AFTER POSITIONING 1 LINES.
WRITE REPORT-OUT FROM HEAD-18 AFTER POSITIONING 1 LINES.
```

```
*STATISTICS*      SOURCE RECORDS =    688     DATA DIVISION STATEMENTS =   380    PROCEDURE DIVISION STATEMENTS =   227
*OPTIONS IN EFFECT*      SIZE =   94208  BUF =     7882  LINECNT = 57  SPACE1, FLAGW,   SEQ,   SOURCE
*OPTIONS IN EFFECT*     NODMAP, NOPMAP, NOCLIST,   SUPMAP, NOXREF,   LOAD, NODECK, APOST, NOTRUNC, NOLIB, NOVERB
*OPTIONS IN EFFECT*       ZWB
```

CARD	ERROR MESSAGE	
668	IKF5011I-W	AN INTERMEDIATE RESULT OR A SENDING FIELD MIGHT HAVE ITS HIGH ORDER DIGIT POSITION TRUNCATED.

OS/360 LI ER

OPTIONS USED - PRINT,MAP,NOLET,CALL,RES,NOTERM,SIZE=77824,NAME=**GO

NAME	TYPE	ADDR	NAME	TYPE	ADDR	NAME	TYPE	ADDR	NAME	TYPE	ADDR	NAME	TYPE	ADDR
BRYANUP	SD	65010	ILBOSTPO*	SD	691F0	ILBOSTP1*	LR	69206	SPIE *	SD	69228			

TOTAL LENGTH 4780
ENTRY ADDRESS 65010

COMPUTER PROGRAM FOR

PRINTING A OVERALL SUMMARY

OF INFORMATION

ON FORMER VOCATIONAL STUDENTS

IN THE FOLLOW-UP PROGRAM

WHO HAVE EXITED

THE LOCAL SCHOOL SYSTEM

BY YEAR STUDENT EXITED

```
//JCRF90   JOB ...04,2..3,00..5,B... JCRF TEST SUMMARY'          97
***CLA         D
***SETUP
// EXEC COBU,REGION=110K
XXONESTEP EXEC PGM=ANSCOBCL,REGION=110K                                  00020000
***                                                                      00040000
***           JCL STATEMENTS FOR THE ANS COMPILER                        00060000
***                                                                      00080000
XXSYSUT1    DD UNIT=SYSDA,SPACE=(TRK,(100,20))                           00100000
XXSYSUT2    DD UNIT=SYSDA,SPACE=(TRK,(100,20))                           00120000
XXSYSUT3    DD UNIT=SYSDA,SPACE=(TRK,(100,20))                           00140000
XXSYSUT4    DD UNIT=SYSDA,SPACE=(TRK,(100,20))                           00160000
XXSYSPRT    DD SYSOUT=A                                                  00180000
XXSYSPUNCH  DD SYSOUT=B                                                  00200000
XXSYSLIN    DD UNIT=SYSDA,SPACE=(TRK,(100,20)),DISP=(MOD,DELETE),        00220000
XX             DCB=(BLKSIZE=2240,BUFNO=2),DSN=&&LOADSET                  00240000
***                                                                      00260000
***           JCL STATEMENTS FOR THE LOADER                              00280000
***                                                                      00300000
XX          DD DDNAME=OBJECT       HEX DECKS FOR LOADER                  00320000
XXSYSLIB    DD DSN=SYS1.COBLIB,DISP=SHR                                  00340000
XX          DD DSN=SYS1.DPCLIB,DISP=SHR                                  00360000
XXSYSLOUT   DD SYSOUT=A                                                  00380000
***                                                                      00400000
***           DPC PROVIDED JCL STATEMENTS FOR USER PROGRAM               00420000
***                                                                      00440000
XXPRINTER   DD SYSOUT=A                                                  00460000
XXREADER    DD DDNAME=SYSIN                                              00480000
XXSYSOUT    DD SYSOUT=A                                                  00500000
XXPUNCH     DD SYSOUT=B                                                  00520000
***                                                                      00540000
***           JCL STATEMENTS PROVIDED BY USER                            00560000
***                                                                      00580000
//SOURCE DD *
//MASTIN  DD UNIT=TAPE9,DISP=(OLD,KEEP),DSN=BHSMST,LABEL=(,SL),         X
//           VOL=SER=006039,DCB=(RECFM=FB,LRECL=650,BLKSIZE=6500)
//SYSIN DD *
//
IEF236I ALLOC. FOR JCRF90   ONESTEP
IEF237I 132   ALLOCATED TO SYSUT1
IEF237I 132   ALLOCATED TO SYSUT2
IEF237I 135   ALLOCATED TO SYSUT3
IEF237I 135   ALLOCATED TO SYSUT4
IEF237I 600   ALLOCATED TO SYSPRT
IEF237I 631   ALLOCATED TO SYSPUNCH
IEF237I 132   ALLOCATED TO SYSLIN
IEF237I 130   ALLOCATED TO SYSLIB
IEF237I 390   ALLOCATED TO
IEF237I 603   ALLOCATED TO SYSLOUT
IEF237I 607   ALLOCATED TO PRINTER
IEF237I 652   ALLOCATED TO READER
IEF237I 608   ALLOCATED TO SYSOUT
IEF237I 632   ALLOCATED TO PUNCH
IEF237I 651   ALLOCATED TO SOURCE
IEF237I 282   ALLOCATED TO MASTIN
IEF285I   SYS73045.T093212.RV000.JCRF90.R0000001        DELETED
IEF285I   VOL SER NOS= 666666.
IEF285I   SYS73045.T093212.RV000.JCRF90.R0000002        DELETED
IEF285I   VOL SER NOS= 666666.
IEF285I   SYS73045.T093212.RV000.JCRF90.R0000003        DELETED
IEF285I   VOL SER NOS= 888888.
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IE   I      7304   )932   VOO   RF9   300C          LET
IEF285      VOL SER NOS= 888888.
IEF285I     SYS73045.T093212.RV000.JCRF90.R0000005          DELETED
IEF285I     VOL SER NOS=            .
IEF285I     SYS73045.T093212.RV000.JCRF90.R0000006          DELETED
IEF285I     VOL SER NOS=            .
IEF285I     SYS73045.T093212.RV000.JCRF90.LOADSET           DELETED
IEF285I     VOL SER NOS= 666666.
IEF285I     SYS1.COBLIB                                     KEPT
IEF285I     VOL SER NOS= SYSRES.
IEF285I     SYS1.DPCLIB                                     KEPT
IEF285I     VOL SER NOS= 444444.
IEF285I     SYS73045.T093212.RV000.JCRF90.R0000007          DELETED
IEF285I     VOL SER NOS=            .
IEF285I     SYS73045.T093212.RV000.JCRF90.R0000008          DELETED
IEF285I     VOL SER NOS=            .
IEF285I     SYS73045.T093212.RV000.JCRF90.R0000012          DELETED
IEF285I     VOL SER NOS=            .
IEF285I     SYS73045.T093212.RV000.JCRF90.R0000011          DELETED
IEF285I     VOL SER NOS=            .
IEF285I     BHSMST                                          KEPT
IEF285I     VOL SER NOS= 006039.
IEF280E K  282,006039,JCRF90,ONESTEP,BHSMST
TAM001I STEP /ONESTEP/ MAXIMUM CORE USED = 108K, EXECUTE TIME = 0.58
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```
IDENTIFICATION DIVISION.
PROGRAM-ID. 'BRYANUP'.
AUTHOR.  JCRF.
DATE-WRITTEN. MARCH 1972.
INSTALLATION. TEXAS A & M UNIVERSITY.
ENVIRONMENT DIVISION.
CONFIGURATION SECTION.
SOURCE-COMPUTER. IBM-360-I65.
OBJECT-COMPUTER. IBM-360-I65.
INPUT-OUTPUT SECTION.
FILE-CONTROL.
    SELECT INPUT-CARDS ASSIGN TO UT-S-READER.
    SELECT PRINT-OUTS  ASSIGN TO UT-S-PRINTER.
    SELECT MAST-IN      ASSIGN TO UT-2400-S-MASTIN.
DATA DIVISION.
FILE SECTION.
FD  INPUT-CARDS RECORDING MODE IS F LABEL RECORDS ARE OMITTED
    DATA RECORD IS INPUT-RECORD.
01  INPUT-RECORD.
    02  IN-X-TEST PICTURE X OCCURS 80 TIMES.
FD  PRINT-OUTS RECORDING MODE F LABEL RECORDS ARE OMITTED
               DATA RECORD IS PRINT-RECORD, REPORT-OUT.
01  PRINT-RECORD PICTURE X(132).
01  REPORT-OUT PICTURE X(132).
FD  MAST-IN RECORDING MODE F LABEL RECORDS ARE STANDARD
      BLOCK CONTAINS 0 RECORDS RECORD CONTAINS 650 CHARACTERS
      DATA RECORD IS MAST-IN-REC.
01  MAST-IN-REC PICTURE X(650).
WORKING-STORAGE SECTION.
77  FIND-W-S  PICTURE X(60) VALUE 'BRYAN H S WORKING STORAGE '.
77  NO-READ      PICTURE  9(6) VALUE ZERO.
77  NO-WRITTEN   PICTURE  9(6) VALUE ZERO.
77  NO-CHANGES   PICTURE  9(6) VALUE ZERO.
77  NO-ADDS      PICTURE  9(6) VALUE ZERO.
77  I            PICTURE  S99 COMPUTATIONAL VALUE ZERO.
77  J            PICTURE  S99 COMPUTATIONAL VALUE ZERO.
77  K            PICTURE  S99 COMPUTATIONAL VALUE ZERO.
77  L            PICTURE  S99 COMPUTATIONAL VALUE ZERO.
77  M            PICTURE  S99 COMPUTATIONAL VALUE ZERO.
77  N            PICTURE  S99 COMPUTATIONAL VALUE ZERO.
77  A            PICTURE  S99 COMPUTATIONAL VALUE ZERO.
77  CHNG-EOF-FLG PICTURE 9 VALUE 0.
01  OLD-YR-F-U PICTURE XX VALUE ' '.
01  OLD-CAMPUS-CODE PICTURE XXX VALUE ' '.
01  CHANGE-CARDS.
    02  ID-NO-1                  PICTURE X(9).
    02  ID-NO-2 REDEFINES ID-NO-1 PICTURE X OCCURS 9 TIMES.
    02  CARD-TYPE-1.
        03  CARD-CODE-1          PICTURE X.
        03  CRD-CD-X REDEFINES CARD-CODE-1 PICTURE 9.
        03  CARD-CHNG-1          PICTURE X(69).
        03  COL-80-1             PICTURE X.
    02  CARD-TYPE-2 REDEFINES CARD-TYPE-1.
        03  CARD-CODE-2          PICTURE X.
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               03  UPDATE-CODE-3                     PICTURE 99.
               03  UPDATE-CODE-5 REDEFINES UPDATE-CODE-3.
                   04  UPDATE-CODE-1 PICTURE X OCCURS 2 TIMES.
               03  FIELD-VAL            PICTURE X(62).
               03  DATE-OF-UPDATE       PICTURE X(6).
               03  DAT-OF-UP REDEFINES DATE-OF-UPDATE PICTURE X
                             OCCURS 6 TIMES.
       01  STUDENT-RECORD.
           02  DELETE-CODE              PICTURE X.
           02  ID-NO-3                  PICTURE X(9).
           02  TYPE-CODE-1              PICTURE X.
           02  RECORD-TYPE-1.
               03  RECORD-BLOCK PICTURE X(69) OCCURS 9 TIMES.
           02  RECORD-TYPE-2 REDEFINES RECORD-TYPE-1.
               03  L-NAME-1             PICTURE X(12).
               03  F-NAME-1             PICTURE X(10).
               03  M-I-1                PICTURE X(01).
               03  EMPL-1               PICTURE X(01).
               03  OCC-1                PICTURE X(15).
               03  O-E-CODE-1           PICTURE X(07).
               03  JOB-TITLE-1          PICTURE X(13).
               03  HRS-DAY-1            PICTURE X(04).
               03  SALARY-1             PICTURE X(04).
               03  SEX-1                PICTURE X(01).
               03  RACE-1               PICTURE X(01).
               03  S-ADD-1              PICTURE X(21).
               03  S-CIT-1              PICTURE X(11).
               03  S-STA-1              PICTURE X(05).
               03  S-ZIP-1              PICTURE X(05).
               03  S-ARC-1              PICTURE X(03).
               03  S-PHN-1              PICTURE X(07).
               03  BIRTH-DATE-1         PICTURE X(06).
               03  DATE-REC-1           PICTURE X(06).
               03  CRS-CNT-1            PICTURE 9(02).
               03  FILLER               PICTURE X(03).
               03  P-ADD-1              PICTURE X(21).
               03  P-CIT-1              PICTURE X(11).
               03  P-STA-1              PICTURE X(05).
               03  P-ZIP-1              PICTURE X(05).
               03  P-ARC-1              PICTURE X(03).
               03  P-PHN-1              PICTURE X(07).
               03  REMARK-1             PICTURE X(17).
               03  E-ADD-1              PICTURE X(21).
               03  E-CIT-1              PICTURE X(11).
               03  E-STA-1              PICTURE X(05).
               03  E-ZIP-1              PICTURE X(05).
               03  E-ARC-1              PICTURE X(03).
               03  E-PHN-1              PICTURE X(07).
               03  E-NAM-1              PICTURE X(17).
               03  CRS-RECORDS OCCURS 5 TIMES.
                   04  VOC-CRS-1        PICTURE X(04).
                   04  O-E-COD-2        PICTURE X(07).
                   04  HRS-CRS-1        PICTURE X(04).
                   04  SCH-ATT-1        PICTURE X(03).
                   04  GRADE-1          PICTURE X(02).
                   04  VOC-TEACH-1      PICTURE X(17).
                   04  DATE-ENT-1       PICTURE X(04).
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              04  DATE-EXIT-1      PICTURE X(04).
              04  REASON-EXIT-1    PICTURE X(04).
              04  REMARK-2         PICTURE X(20).
      02  RECORD-TYPE-3 REDEFINES RECORD-TYPE-1.
          03  L-NAME-2             PICTURE X(12).
          03  F-NAME-2             PICTURE X(10).
          03  M-I-2                PICTURE X(01).
          03  EMPL-2               PICTURE X(01).
          03  OCC-2                PICTURE X(15).
          03  O-E-CODE-2           PICTURE X(07).
          03  JOB-TITLE-2          PICTURE X(12).
          03  HRS-DAY-2            PICTURE X(05).
          03  SALARY-2             PICTURE X(04).
          03  SEX-2                PICTURE X(01).
          03  RACE-2               PICTURE X(01).
          03  L-NAME-3             PICTURE X(12).
          03  F-NAME-3             PICTURE X(10).
          03  M-I-3                PICTURE X(01).
          03  SALARY-3             PICTURE X(04).
          03  NO-OF-EMPL-2         PICTURE X(03).
          03  YEAR-OF-1ST-ENTRY    PICTURE X(02).
          03  REMARK-3             PICTURE X(35).
          03  CRS-CNT-2            PICTURE 9(02).
          03  S-ADD-2              PICTURE X(21).
          03  S-CIT-2              PICTURE X(11).
          03  S-STA-2              PICTURE X(05).
          03  S-ZIP-2              PICTURE X(05).
          03  S-ARC-2              PICTURE X(03).
          03  S-PHN-2              PICTURE X(07).
          03  BIRTH-DATE-2         PICTURE X(06).
          03  DATE-REC-2           PICTURE X(06).
          03  STEP-ENCR-2          PICTURE X(01).
          03  FILLER               PICTURE X(04).
          03  E-ADD-2              PICTURE X(21).
          03  E-CIT-2              PICTURE X(11).
          03  E-STA-2              PICTURE X(05).
          03  E-ZIP-2              PICTURE X(05).
          03  E-ARC-2              PICTURE X(03).
          03  E-PHN-2              PICTURE X(07).
          03  E-NAM-2              PICTURE X(17).
          03  CRS-RECORDS-2 OCCURS 5 TIMES.
              04  VOC-CRS-2        PICTURE X(04).
              04  O-E-COD-3        PICTURE X(07).
              04  HRS-CRS-2        PICTURE X(04).
              04  SCT-ATT-2        PICTURE X(03).
              04  GRADE-2          PICTURE X(02).
              04  VOC-TEACH-2      PICTURE X(17).
              04  DATE-EXIT-2      PICTURE X(04).
              04  REASON-EXIT-2    PICTURE X(04).
              04  VOC-Y-N-2        PICTURE X(01).
              04  HRS-COMPL-2      PICTURE X(04).
              04  PER-CEN-COM-2    PICTURE X(03).
              04  POST-EXIT-ACT-2  PICTURE X(04).
              04  DATE-ENT-2       PICTURE X(04).
              04  EXIT-2 PICTURE X(4).
              04  FILLER           PICTURE X(04).
  01  REPORT-TYPE-FLAGS.
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           02  DATE-OF-REPORT PICTURE X(8).
           02  TYPE-OF-REPORT PICTURE 9.
             02  START-DATE PICTURE XX.
             02  START-DATE-X REDEFINES START-DATE PICTURE 99.
       01  REDEF-FIELDS.
           02  REDEF-1 PICTURE XX.
           02  REDEF-2 REDEFINES REDEF-1 PICTURE 99.
           02  REDEF-3 REDEFINES REDEF-1 PICTURE X OCCURS 2 TIMES.
       01  NAME-FIELDS.
           02  L-N-X.
               03  L-N-Y PICTURE X OCCURS 13 TIMES.
           02  F-N-X.
               03  F-N-X PICTURE X OCCURS 11 TIMES.
       01  ERROR-FLAG PICTURE 9 VALUE ZERO.
       01  OLD-CAMPUS-CD      PICTURE X(03) VALUE ' '.
       01  OLD-VOC-CRS-CD     PICTURE X(04) VALUE ' '.
       01  OLD-INSTR-NAME     PICTURE X(17) VALUE ' '.
       01  SQUEEZ-FIELDS.
           02  SQ-FIELD-A     PICTURE X(21).
           02  SQ-FIELD-1 REDEFINES SQ-FIELD-A.
               03  SQ-ZONE-I PICTURE X OCCURS 21  TIMES.
           02  SQ-FIELD-B     PICTURE X(21).
           02  SQ-FIELD-2 REDEFINES SQ-FIELD-B.
               03  SQ-ZONE-J PICTURE X OCCURS 21  TIMES.
           02  SQ-FIELD-C     PICTURE X(21).
           02  SQ-FIELD-3 REDEFINES SQ-FIELD-C.
               03  SQ-ZONE-K PICTURE X OCCURS 21  TIMES.
           02  SQ-FIELD-D     PICTURE X(21).
           02  SQ-FIELD-4 REDEFINES SQ-FIELD-D.
               03  SQ-ZONE-L PICTURE X OCCURS 21  TIMES.
       01  LINE-CCUNT PICTURE 99 VALUE 13.
       01  CAMPUS-LIST.
           02  C-LIST-1  PICTURE X(50) VALUE
               '000EDUCATIONAL SERVICE CENTER     '.
           02  C-LIST-2  PICTURE X(50) VALUE
               '002STEPHAN F AUSTIN               '.
           02  C-LIST-3  PICTURE X(50) VALUE
               '001BRYAN HIGH                     '.
           02- C-LIST-4  PICTURE X(50) VALUE
               '041ANSON JONES                    '.
           02  C-LIST-5  PICTURE X(50) VALUE
               '042LAMAR                          '.
           02  C-LIST-6  PICTURE X(50) VALUE
               '111NEAL                           '.
           02  C-LIST-7  PICTURF X(50) VALUE
               '101BONHAM                         '.
           02  C-LIST-8  PICTURE X(50) VALUE
               '102BOWIE                          '.
           02  C-LIST-9  PICTURE X(50) VALUE
               '103CARVER-KEMP                    '.
           02  C-LIST-10 PICTURE X(50) VALUE
               '104CROCKETT                       '.
           02  C-LIST-11 PICTURE X(50) VALUE
               '105FANNIN                         '.
           02  C-LIST-12 PICTURE X(50) VALUE
               '106MILAM                          '.
           02  C-LIST-13 PICTURE X(50) VALUE
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                '107ROSS                          '.
           02  C-LIST-14 PICTURE X(50) VALUE
                '108TRAVIS                        '.
           02  C-LIST-15 PICTURE X(50) VALUE
                '109WASHINGTON CAMPUS             '.
           02  C-LIST-16 PICTURE X(50) VALUE
                '110HENDERSON                     '.
           02  C-LIST-17 PICTURE X(50) VALUE
                '200LIBRARY PROCESSING CENTER     '.
           02  C-LIST-18 PICTURE X(50) VALUE
                '201WAREHOUSE                     '.
       01  CAMPUS-LIST-2 REDEFINES CAMPUS-LIST.
           02  C-LST-X OCCURS 18 TIMES.
               03  CAMP-CODE PICTURE XXX.
               03  CAMP-NAME PICTURE X(47).
       01  VOC-PROGRAM.
           02  VOC-PROG-1   PICTURE X(50) VALUE
                'COAGCOOPERATIVE AGRICULTURE                    '.
           02  VOC-PROG-2   PICTURE X(50) VALUE
                'VOAGVOCATIONAL AGRICULTURE                     '.
           02  VOC-PROG-3   PICTURE X(50) VALUE
                'AMECAUTO MECHANICS                             '.
           02  VOC-PROG-4   PICTURE X(50) VALUE
                'BLTDBUILDING TRADES                            '.
           02  VOC-PROG-5   PICTURE X(50) VALUE
                'CSMGCOSMETOLOGY                                '.
           02  VOC-PROG-6   PICTURE X(50) VALUE
                'CVAECOORDINATED VOC. ACADEMIC TRAINING         '.
           02  VOC-PROG-7   PICTURE X(50) VALUE
                'DETRDISTRIBUTED EDUCATION TRAINING             '.
           02  VOC-PROG-8   PICTURE X(50) VALUE
                'DPTRDATA PROCESSING TRAINING                   '.
           02  VOC-PROG-9   PICTURE X(50) VALUE
                'ICTRINDUSTRIAL COOPERATIVE TRAINING            '.
           02  VOC-PROG-10  PICTURE X(50) VALUE
                'HECEHOME ECONOMIC COOPERATIVE EDUCATION        '.
           02  VOC-PROG-11  PICTURE X(50) VALUE
                'HOCTHEALTH OCCUPATIONS COOPERATIVE TRAINING    '.
           02  VOC-PROG-12  PICTURE X(50) VALUE
                'PELBPRE EMPLOYMENT LAB                         '.
           02  VOC-PROG-13  PICTURE X(50) VALUE
                'HMKTHOME MAKING TRAINING                       '.
           02  VOC-PROG 14  PICTURE X(50) VALUE
                'VCNRVOCATIONAL NURSE TRAINING                  '.
           02  VOC-PROG-15  PICTURE X(50) VALUE
                'VOEDVOCATIONAL OFFICE EDUCATION                '.
           02  VOC-PROG-16  PICTURE X(50) VALUE
                'BVAEBUILDING TRADES ACADEMIC EDUCATION         '.
           02  VOC-PROG-17  PICTURE X(50) VALUE
                'HVAEHORTICULTURE ACADEMIC EDUCATION            '.
           02  VOC-PROG-18  PICTURE X(50) VALUE
                'DVAEOFFICE DUPLICATION ACADEMIC EDUCATION      '.
       01  VOC-PROGRAM-1 REDEFINES VOC-PROGRAM.
           02  PROG-LIST OCCURS 18 TIMES.
               03  PROG-CODE-X PICTURE XXXX.
               03  PROG-NAME-X PICTURE X(46).
       01  NUMBERS-ARRAY.
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          02  YR-SPOT OCCURS 5 TIMES.
          03  ACROSS-PAGE OCCURS 14 TIMES.
              04  DOWN-PAGE OCCURS 11 TIMES.
                  05  FOLK-COUNT PICTURE 9999.
                  05  PER-CENT   PICTURE 999V99.
              04  TOT-SALARY PICTURE  9(9)V99.
      01  CODE-TEST-SPOT-1.
          02  FIRST-PART-1 PICTURE XX.
          02  PERIOD-1     PICTURE X.
          02  CODE-PART-1  PICTURE XX.
          02  JUNK-PART-1  PICTURE XX.
      01  CODE-TEST-SPOT-2.
          02  FIRST-PART-2 PICTURE XX.
          02  PERIOD-2     PICTURE X.
          02  CODE-PART-2  PICTURE XX.
          02  JUNK-PART-2  PICTURE XX.
      01  SALARY-DECODE.
          02  SAL-1 PICTURE X(6).
          02  SAL-2 REDEFINES SAL-1.
              03  SAL-4 PICTURE X OCCURS 6 TIMES.
          02  SAL-5 REDEFINES SAL-1 PICTURE 9999V99.
          02  SAL-6 REDEFINES SAL-1.
              03  SAL-7 PICTURE XXXX.
              03  SAL-8 PICTURE XX.
      01  HEAD-1.
          02  HEAD-X-1  PICTURE X(25) VALUE
              '1                       '.
          02  HEAD-X-2  PICTURE X(25) VALUE
              '                   B R Y'.
          02  HEAD-X-3  PICTURE X(25) VALUE
              ' A N  P U B L I C  S C H '.
          02  HEAD-X-4  PICTURE X(25) VALUE
              'O O L S                 '.
      01  HEAD-2.
          02  HEAD-X-5  PICTURE X(25) VALUE
              'O                       '.
          02  HEAD-X-6  PICTURE X(25) VALUE
              '                   V O C'.
          02  HEAD-X-7  PICTURE X(25) VALUE
              ' A T I O N A L  E D U C A'.
          02  HEAD-X-8  PICTURE X(25) VALUE
              ' T I O N  D E P A R T M E'.
          02  HEAD-X-9  PICTURE X(25) VALUE
              ' N T                    '.
      01  HEAD-3.
          02  HEAD-X-10 PICTURE X(25) VALUE
              'O                       '.
          02  HEAD-X-11 PICTURE X(25) VALUE
              '                   F O L'.
          02  HEAD-X-12 PICTURE X(25) VALUE
              ' L O W - U P  A S  O F  '.
          02  HEAD-X-13 PICTURE X(25) VALUE  ' '.
      01  HEAD-4.
          02  HEAD-3-1  PICTURE X(26) VALUE ' '.
          02  HEAD-1-1  PICTURE X(50) VALUE
           'A      A      B  T    C  A     C     D  P     D  E'.
          02  HEAD-2-1  PICTURE X(60) VALUE  '
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       ' H O     H   I C T   L V N   V A E   V O E     T'.
   01  HEAD-5.
       02  HEAD-3-2  PICTURE X(26) VALUE ' '.
       02  HEAD-1-2  PICTURE X(50) VALUE
       'G      U     U  R  O   C     O    A  R   I  D'.
       02  HEAD-2-2  PICTURE X(60) VALUE
       '  E  C       O   N O R   I O U   O C D   O F D     O'.
   01  HEAD-6.
       02  HEAD-3-3  PICTURE X(26) VALUE ' '.
       02  HEAD-1-3  PICTURE X(50) VALUE
       'R      T     I  A  O   A     S    T  O   S  U'.
       02  HEAD-2-3  PICTURE X(60) VALUE
       '  A  C       M   D O A   C C R   C A U   C F U     T'.
   01  HEAD-7.
       02  HEAD-3-4  PICTURE X(26) VALUE ' '.
       02  HEAD-1-4  PICTURE X(50) VALUE
       'I      O     L  D  P   D     M    A  C   T  C'.
       02  HEAD-2-4  PICTURE X(60) VALUE
       '  L  U       E   U P I   E A S   A D C   A I C     A'.
   01  HEAD-8.
       02  HEAD-3-5  PICTURE X(26) VALUE ' '.
       02  HEAD-1-5  PICTURE X(50) VALUE
       'C            D  E  .   E     E    E  R   A'.
       02  HEAD-2-5  PICTURE X(60) VALUE
       '  T  P       M   S E N   N T I   T E A   T C A     L'.
   01  HEAD-9.
       02  HEAD-3-6  PICTURE X(26) VALUE ' '.
       02  HEAD-1-6  PICTURE X(50) VALUE
       'U      M     I  S      M     T    S  I   T'.
       02  HEAD-2-6  PICTURE X(60) VALUE
       '  H  A       A   T R I   S I N   I M T   I E T     S'.
   01  HEAD-10.
       02  HEAD-3-7  PICTURE X(26) VALUE ' '.
       02  HEAD-1-7  PICTURE X(50) VALUE
       'L      E     N     V   I     O    S  B   I'.
       02  HEAD-2-7  PICTURE X(60) VALUE
       '     T       K   R A N   E U G   O I I   O  I      '.
   01  HEAD-11.
       02  HEAD-3-8  PICTURE X(26) VALUE ' '.
       02  HEAD-1-8  PICTURE X(50) VALUE
       'T      C     G     O   C     L    I  U   D'.
       02  HEAD-2-8  PICTURE X(60) VALUE
       '     I       I   I T G   O N     N C O   N  O      '.
   01  HEAD-12.
       02  HEAD-3-9  PICTURE X(26) VALUE ' '.
       02  HEAD-1-9  PICTURE X(50) VALUE
       'U      H           C         O    N  T   N'.
       02  HEAD-2-9  PICTURE X(60) VALUE
       '     O       N   A I     A       A N A N           '.
   01  HEAD-13.
       02  HEAD-3-10 PICTURE X(26) VALUE ' '.
       02  HEAD-1-10 PICTURE X(50) VALUE
       'R      A           .   E     G    G  I   '.
       02  HEAD-2-10 PICTURE X(60) VALUE
       '     N       G   L V     L       L   L             '.
   01  HEAD-14.
       02  HEAD-3-11 PICTURE X(26) VALUE ' '.
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           02  HEAD-1-11 PICTURE X(50) VALUE
            'E        N                  D      Y        -     V    '.
           02  HEAD-2-11 PICTURE X(60) VALUE
            '    S              E                                         '.
       01  HEAD-15.
           02  HEAD-3-12 PICTURE X(26) VALUE ' '.
           02  HEAD-1-12 PICTURE X(50) VALUE
            '         I                  U                         E    '.
           02  HEAD-2-12 PICTURE X(60) VALUE
            '                                                             '.
       01  HEAD-16.
           02  HEAD-3-13 PICTURE X(26) VALUE ' '.
           02  HEAD-1-13 PICTURE X(50) VALUE
            '         C                  C                             '.
           02  HEAD-2-13 PICTURE X(60) VALUE  ' '.
       01  HEAD-17.
           02  HEAD-3-14 PICTURE X(26) VALUE ' '.
           02  HEAD-1-14 PICTURE X(50) VALUE
            '         S                  .                             '.
           02  HEAD-2-14 PICTURE X(60) VALUE  ' '.
       01  HEAD-18.
           02  FILLER PICTURE XX VALUE ' '.
       01  DETAIL-LINE-1-X.
           02  CODE-PLACE-X PICTURE X(18).
           02  CODE-PLACE-P PICTURE X(3) VALUE 'NO.'.
           02  NUM-LINES-X.
             03  NUM-VALS-1-X OCCURS 14 TIMES.
                 04  NUM-VALS-X PICTURE Z(7).
                 04  FILLER PICTURE X.
       01  DETAIL-LINE-2-X.
           02  CODE-PLACE-Y PICTURE X(18).
           02  CODE-PLACE-Q PICTURE XXX VALUE 'O/O'.
           02  NUM-LINES-Y.
             03  NUM-VALS-1-Y OCCURS 14 TIMES.
                 04  NUM-VALS-Y PICTURE Z(4)9.9.
                 04  FILLER PICTURE X.
       01  DETAIL-LINES-3-X.
           02  CODE-PLACE-Z PICTURE X(18).
       01  DETAIL-LINES-4-X.
           02  CODE-PLACE-W PICTURE X(21).
           02  NUM-LINES-W.
             03  NUM-VALS-1-W OCCURS 14 TIMES.
                 04  NUM-VALS-W PICTURE $$$,$$9.
                 04  FILLER PICTURE X.
       01  SIDE-MARGINS.
           02  MARGIN-PICTURES.
               03  MARGIN-1  PICTURE X(18) VALUE
            ' TOTAL IN         '.
               03  MARGIN-2  PICTURE X(18) VALUE
            ' FOLLOW-UP        '.
               03  MARGIN-3  PICTURE X(18) VALUE
            '                  '.
               03  MARGIN-4  PICTURE X(18) VALUE
            ' NO STATUS        '.
               03  MARGIN-5  PICTURE X(18) VALUE
            ' KNOWN            '.
               03  MARGIN-6  PICTURE X(18) VALUE
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               '                   '.
                 03  MARGIN-7  PICTURE X(18) VALUE
               ' ENTERED ARMED     '.
                 03  MARGIN-8  PICTURE X(18) VALUE
               ' FORCES            '.
                 03  MARGIN-9  PICTURE X(18) VALUE
               '                   '.
                 03  MARGIN-10 PICTURE X(18) VALUE
               ' CONTINUED SCHOOL  '.
                 03  MARGIN-11 PICTURE X(18) VALUE
               ' FULL TIME         '.
                 03  MARGIN-12 PICTURE X(18) VALUE
               '                   '.
                 03  MARGIN-13 PICTURE X(18) VALUE
               ' OTHERS NOT IN     '.
                 03  MARGIN-14 PICTURE X(18) VALUE
               ' LABCR FORCE       '.
                 03  MARGIN-15 PICTURE X(18) VALUE
               '                   '.
                 03  MARGIN-16 PICTURE X(18) VALUE
               ' E F  IN TRAINED   '.
                 03  MARGIN-17 PICTURE X(18) VALUE
               ' M U  OCCUPATION   '.
                 03  MARGIN-18 PICTURE X(18) VALUE
               ' P L               '.
                 03  MARGIN-19 PICTURE X(18) VALUE
               ' L L  IN RELATED   '.
                 03  MARGIN-20 PICTURE X(18) VALUE
               ' O -  OCCUPATION   '.
                 03  MARGIN-21 PICTURE X(18) VALUE
               ' Y T               '.
                 03  MARGIN-22 PICTURE X(18) VALUE
               ' E I  IN OTHER     '.
                 03  MARGIN-23 PICTURE X(18) VALUE
               ' D M  OCCUPATION   '.
                 03  MARGIN-24 PICTURE X(18) VALUE
               '   E               '.
                 03  MARGIN-25 PICTURE X(18) VALUE
               ' EMPLOYED          '.
                 03  MARGIN-26 PICTURE X(18) VALUE
               ' PART TIME         '.
                 03  MARGIN-27 PICTURE X(18) VALUE
               '                   '.
                 03  MARGIN-28 PICTURE X(18) VALUE
               ' UNEMPLOYED        '.
                 03  MARGIN-29 PICTURE X(18) VALUE
               ' SEEKING           '.
                 03  MARGIN-30 PICTURE X(18) VALUE
               ' EMPLOYMENT        '.
                 03  MARGIN-31 PICTURE X(18) VALUE
               ' AVERAGE           '.
                 03  MARGIN-32 PICTURE X(18) VALUE
               ' SALARY            '.
                 03  MARGIN-33 PICTURE X(18) VALUE
               ' PER MONTH         '.
             02  MARGIN-X REDEFINES MARGIN-PICTURES.
                 03  MARGIN-Y OCCURS 33 TIMES PICTURE X(18).
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01  EXTRA-CNTS-JCRF.
    02  YR-CNT-ZZ OCCURS 5 TIMES.
    03  EXTRA-CNT-JC-1 OCCURS 14 TIMES PICTURE 9999.
PRCCEDURE DIVISION.
START-PROGRAM.
    CALL 'SPIE'.
    OPEN INPUT INPUT-CARDS.
    READ INPUT-CARDS INTO REPORT-TYPE-FLAGS AT END
      MOVE 'CURRENT' TO REPORT-TYPE-FLAGS.
    CLOSE INPUT-CARDS.
    OPEN OUTPUT PRINT-OUTS.
    OPEN INPUT MAST-IN.
    MOVE ' ' TO DETAIL-LINE-2-X.
    MOVE ' ' TO DETAIL-LINE-1-X.
    MOVE ' ' TO DETAIL-LINES-4-X.
    PERFORM MO-ZERO VARYING K FROM 1 BY 1 UNTIL K > 5.
BIG-LOOP.
    READ MAST-IN INTO STUDENT-RECORD AT END GO TO LAST-IN.
    IF TYPE-CODE-1 = '1' GO TO BIG-LOOP.
    PERFORM COUNTS-CRS VARYING L FROM 1 BY 1 UNTIL L > CRS-CNT-2.
    GO TO BIG-LOOP.
MO-ZERO.
    PERFORM ZRO-ARRAY VARYING I FROM 1 BY 1 UNTIL I > 14.
ZRO-ARRAY.
    PERFORM ZRO-ARR-2 VARYING L FROM 1 BY 1 UNTIL L > 11.
    MOVE ZERO TO TOT-SALARY (K,I).
    MOVE ZERC TO EXTRA-CNT-JC-1 (K,I).
ZRC-ARR-2.
    MOVE ZFRO TO FOLK-CCUNT (K,I, L).
    MOVE ZERO TO PER-CENT   (K,I, L).
COLNTS-CRS SECTION.
    IF START-DATE > YEAR-OF-1ST-ENTRY GO TO CNT-SECT-RTN.
    MOVE YEAR-OF-1ST-ENTRY TO REDEF-1.
    IF REDEF-3 (1) > '9' GO TO CNT-SECT-RTN.
    IF REDEF-3 (2) > '9' GO TO CNT-SECT-RTN.
    IF REDEF-3 (1) < '0' GO TO CNT-SECT-RTN.
    IF REDEF-3 (2) < '0' GO TO CNT-SECT-RTN.
    COMPUTE M = REDEF-2 - START-DATE-X + 1.
    IF M > 5 GO TO CNT-SECT-RTN.
    COMPUTE I = L.
    MOVE ZERO TO J.
    COMPUTE A = L + 4.
    IF RECORD-BLOCK (A) = SPACES GO TO CNT-SECT-RTN.
    IF EXIT-2 (I) NOT = 'EXIT' GO TO CNT-SECT-RTN.
    IF VOC-Y-N-2 (I) = 'N' GO TO CNT-SECT-RTN.
    IF VOC-CRS-2 (I) = 'CVAE' MOVE 4 TO J GO TO FIND-DOWN.
    IF VOC-CRS-2 (I) = 'ICTR' MOVE 10 TO J GO TO FIND-DOWN.
    IF VOC-CRS-2 (I) = 'BVAE' MOVE 12 TO J GO TO FIND-DOWN.
    IF VOC-CRS-2 (I) = 'HVAE' MOVE 12 TO J GO TO FIND-DOWN.
    IF VOC-CRS-2 (I) = 'DVAE' MOVE 12 TO J GO TO FIND-DOWN.
    IF VOC-CRS-2 (I) = 'VAED' MOVE 12 TO J GO TO FIND-DOWN.
    IF VOC-CRS-2 (I) = 'COAG' MOVE  1 TO J GO TO FIND-DOWN.
    IF VOC-CRS-2 (I) = 'VOAG' MOVE  1 TO J GO TO FIND-DOWN.
    IF VOC-CRS-2 (I) = 'AMEC' MOVE  2 TO J GO TO FIND-DOWN.
    IF VOC-CRS-2 (I) = 'BLTD' MOVE  3 TO J GO TO FIND-DOWN.
    IF VOC-CRS-2 (I) = 'CSMG' MOVE  5 TO J GO TO FIND-DOWN.
    IF VOC-CRS-2 (I) = 'DETR' MOVE  7 TO J GO TO FIND-DOWN.
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           IF VOC-CRS-2 (I) = 'DPTR' MOVE  6 TO J GO TO FIND-DOWN.
           IF VOC-CRS-2 (I) = 'HECE' MOVE  9 TO J GO TO FIND-DOWN.
           IF VOC-CRS-2 (I) = 'HOCT' MOVE  8 TO J GO TO FIND-DOWN.
           IF VOC-CRS-2 (I) = 'PELB' MOVE  0 TO J GO TO FIND-DOWN.
           IF VOC-CRS-2 (I) = 'HMKT' MOVE  9 TO J GO TO FIND-DOWN.
           IF VOC-CRS-2 (I) = 'VONR' MOVE 11 TO J GO TO FIND-DOWN.
           IF VOC-CRS-2 (I) = 'VOED' MOVE 13 TO J GO TO FIND-DOWN.
       MO-CODE-TEST.
           MOVE O-E-COD-3 (I) TO CODE-TEST-SPOT-1.
           IF FIRST-PART-1 = '14' AND CODE-PART-1 = '02' MOVE  6 TO J
             GO TO FIND-DOWN.
           IF FIRST-PART-1 = '17' AND CODE-PART-1 = '03' MOVE  2 TO J
             GO TO FIND-DOWN.
           IF FIRST-PART-1 = '17' AND CODE-PART-1 = '10' MOVE  3 TO J
             GO TO FIND-DOWN.
           IF FIRST-PART-1 = '17' AND CODE-PART-1 = '26' MOVE  5 TO J
             GO TO FIND-DOWN.
           IF FIRST-PART-1 < '04' MOVE 1 TO J GO TO FIND-DOWN.
           IF FIRST-PART-1 < '07' MOVE  7 TO J GO TO FIND-DOWN.
           IF FIRST-PART-1 < '09' MOVE  8 TO J GO TO FIND-DOWN.
           IF FIRST-PART-1 < '14' MOVE  9 TO J GO TO FIND-DOWN.
           IF FIRST-PART-1 < '17' MOVE 13 TO J GO TO FIND-DOWN.
           MOVE 4 TO J.
       FIND-DOWN.
           IF J < 1 GO TO MO-CODE-TEST.
           ADD 1 TO FOLK-COUNT (M,J, 1), FOLK-COUNT (M,14, 1).
           PERFORM SALARY-CK.
           IF SAL-5 > 0 ADD 1 TO EXTRA-CNT-JC-1 (M,J),
                 EXTRA-CNT-JC-1 (M,14).
           ADD SAL-5 TO TOT-SALARY (M,J), TOT-SALARY (M,14).
           IF POST-EXIT-ACT-2 (I) = 'HISC' MOVE  4 TO K GO TO MO-SUM.
           IF POST-EXIT-ACT-2 (I) = 'COL2' MOVE  4 TO K GO TO MO-SUM.
           IF POST-EXIT-ACT-2 (I) = 'COL4' MOVE  4 TO K GO TO MO-SUM.
           IF POST-EXIT-ACT-2 (I) = 'VOTC' MOVE  4 TO K GO TO MO-SUM.
           IF POST-EXIT-ACT-2 (I) = 'ENAF' MOVE  3 TO K GO TO MO-SUM.
           IF POST-EXIT-ACT-2 (I) = 'MARD' MOVE  5 TO K GO TO MO-SUM.
           IF POST-EXIT-ACT-2 (I) = 'UNEM' MOVE 10 TO K GO TO MO-SUM.
           IF POST-EXIT-ACT-2 (I) = 'WORK' GO TO WHAT-WORK.
           MOVE 2 TO K.
           GO TO MO-SUM.
       WHAT-WORK.
           MOVE O-E-COD-3 (I) TO CODE-TEST-SPOT-1.
           MOVE O-E-CODE-2    TO CODE-TEST-SPOT-2.
           MOVE 8 TO K.
           IF FIRST-PART-1 = FIRST-PART-2 AND CODE-PART-1 =
              CODE-PART-2 MOVE 7 TO K.
           IF CODE-TEST-SPOT-1 = CODE-TEST-SPOT-2 MOVE 6 TO K.
       MO-SUM.
           ADD 1 TO FOLK-COUNT (M,J, K), FOLK-COUNT (M,14, K).
       CNT-SECT-RTN.
           EXIT.
       RATIO-SPOT SECTION.
           PERFORM FIRST-DIV.
       FIRST-DIV.
           IF EXTRA-CNT-JC-1 (M,I)  NOT < 1 COMPUTE TOT-SALARY (M,I) =
                TOT-SALARY (M,I) / EXTRA-CNT-JC-1 (M,I).
           IF FOLK-COUNT (M,14, 1) NOT < 1  COMPUTE PER-CENT (M,I, 1) =
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                (FOLK-COUNT (M,I, 1) * 100) / FOLK-COUNT (M,14, 1).
            MOVE L TO L.
        OTHER-STUF.
            PERFORM BIG-DIV VARYING I FROM 1 BY 1 UNTIL I > 14.
        BIG-DIV.
            IF FOLK-COUNT (M,I, 1) NOT < 1 COMPUTE PER-CENT (M,I, L) =
                (FOLK-COUNT (M,I, L) * 100) / FOLK-COUNT (M,I, 1).
            MOVE L TO L.
        LAST-IN.
            CLOSE MAST-IN.
            PERFORM GOODIES-PRINT VARYING M FROM 1 BY 1 UNTIL M > 5.
            CLOSE PRINT-OUTS.
            STOP RUN.
        GOODIES-PRINT.
            PERFORM FIRST-DIV VARYING I FROM 1 BY 1 UNTIL I > 14.
            PERFORM OTHER-STUF VARYING L FROM 2 BY 1 UNTIL L > 10.
            PERFORM HEADING-PRT.
            PERFORM PRNT-LINES VARYING L FROM 1 BY 1 UNTIL L > 10.
            PERFORM LAST-LINES.
            MOVE ' ' TO REPORT-OUT.
            WRITE REPORT-OUT             AFTER POSITIONING 0 LINES.
        SALARY-CK.
            MOVE '000000' TO SAL-1.
            MOVE SALARY-2 TO SAL-7.
            IF SAL-4 (2) = '.' MOVE SALARY-2 TO SALARY-DECODE
              MOVE SAL-4 (4) TO SAL-4 (5) MOVE '0' TO SAL-4 (4).
            PERFORM MO-CK-SAL VARYING N FROM 1 BY 1 UNTIL N > 6.
        MO-CK-SAL.
            IF SAL-4 (N) < '0' OR SAL-4 (N) > '9' MOVE '0' TO SAL-4 (N).
            MOVE L TO L.
        PRNT-LINES.
            COMPUTE J = (3  * L)  - 2.
            COMPUTE K = J + 1
            COMPUTE A = K + 1
            MOVE MARGIN-Y (J) TO CODE-PLACE-X.
            MOVE MARGIN-Y (K) TO CODE-PLACE-Y.
            MOVE MARGIN-Y (A) TO CODE-PLACE-Z.
            PERFORM MOVE-NUM1 VARYING N FROM 1 BY 1 UNTIL N > 14.
            WRITE REPORT-OUT FROM DETAIL-LINE-1-X AFTER POSITIONING 1
                  LINES.
            WRITE REPORT-OUT FROM DETAIL-LINE-2-X AFTER POSITIONING 1
                  LINES.
            WRITE REPORT-OUT FROM DETAIL-LINES-3-X AFTER POSITIONING 1
                  LINES.
        MOVE-NUM1.
            MOVE FOLK-COUNT (M,N, L) TO NUM-VALS-X (N).
            MOVE PER-CENT   (M,N, L) TO NUM-VALS-Y (N).
        LAST-LINES.
            MOVE MARGIN-31 TO CODE-PLACE-Z.
            WRITE REPORT-OUT FROM DETAIL-LINES-3-X AFTER POSITIONING 2
                  LINES.
            MOVE MARGIN-32 TO CODE-PLACE-W.
            MOVE MARGIN-33 TO CODE-PLACE-Z.
            PERFORM AVG-PRN VARYING N FROM 1 BY 1 UNTIL N > 14.
            WRITE REPORT-OUT FROM DETAIL-LINES-4-X AFTER POSITIONING 1
                  LINES.
            WRITE REPORT-OUT FROM DETAIL-LINES-3-X AFTER POSITIONING 1
```

```
                 LINES.
       AVG-PRN.
           MOVE TOT-SALARY (M,N) TO NUM-VALS-W (N).
       HEADING-PRT.
           COMPUTE REDEF-2 = M + START-DATE-X - 1.
           MOVE REDEF-1 TO HEAD-X-13.
            WRITE REPORT-OUT FROM HEAD-1  AFTER POSITIONING 0 LINES.
            WRITE REPORT-OUT FROM HEAD-2  AFTER POSITIONING 2 LINES.
            WRITE REPORT-OUT FROM HEAD-3  AFTER POSITIONING 2 LINES.
            WRITE REPORT-OUT FROM HEAD-4  AFTER POSITIONING 2 LINES.
            WRITE REPORT-OUT FROM HEAD-5  AFTER POSITIONING 1 LINES.
            WRITE REPORT-OUT FROM HEAD-6  AFTER POSITIONING 1 LINES.
            WRITE REPORT-OUT FROM HEAD-7  AFTER POSITIONING 1 LINES.
            WRITE REPORT-OUT FROM HEAD-8  AFTER POSITIONING 1 LINES.
            WRITE REPORT-OUT FROM HEAD-9  AFTER POSITIONING 1 LINES.
            WRITE REPORT-OUT FROM HEAD-10 AFTER POSITIONING 1 LINES.
            WRITE REPORT-OUT FROM HEAD-11 AFTER POSITIONING 1 LINES.
            WRITE REPORT-OUT FROM HEAD-12 AFTER POSITIONING 1 LINES.
            WRITE REPORT-OUT FROM HEAD-13 AFTER POSITIONING 1 LINES.
            WRITE REPORT-OUT FROM HEAD-14 AFTER POSITIONING 1 LINES.
            WRITE REPORT-OUT FROM HEAD-15 AFTER POSITIONING 1 LINES.
            WRITE REPORT-OUT FROM HEAD-16 AFTER POSITIONING 1 LINES.
            WRITE REPORT-OUT FROM HEAD-17 AFTER POSITIONING 1 LINES.
            WRITE REPORT-OUT FROM HEAD-18 AFTER POSITIONING 1 LINES.
```

14

```
*STATISTICS*      SOURCE RECORDS =    705     DATA DIVISION STATEMENTS =    384     PROCEDURE DIVISION STATEMENTS =    244
*OPTIONS IN EFFECT*      SIZE =    94208  BUF =     7882  LINECNT = 57  SPACE1, FLAGW,   SEQ,    SOURCF
*OPTIONS IN EFFECT*     NODMAP, NOPMAP, NOCLIST,    SUPMAP, NOXREF,   LOAD, NODECK, APOST, NOTRUNC, NOLIB, NOVERB
*OPTIONS IN EFFECT*       ZWB
```

CARD	ERROR MESSAGE	
536	IKF1120I-W	COMMA NOT FOLLOWED BY SPACE. ASSUMED.
537	IKF1120I-W	COMMA NCT FOLLOWED BY SPACE. ASSUMED.
539	IKF1120I-W	COMMA NCT FOLLOWED BY SPACE. ASSUMED.
540	IKF1120I-W	COMMA NCT FOLLOWED BY SPACE. ASSUMED.
593	IKF1120I-W	COMMA NCT FOLLOWED BY SPACE. ASSUMED.
593	IKF1120I-W	COMMA NCT FOLLOWED BY SPACE. ASSUMED.
595	IKF1120I-W	COMMA NCT FOLLOWED BY SPACE. ASSUMED.
596	IKF1120I-W	COMMA NCT FOLLOWED BY SPACE. ASSUMED.
597	IKF1120I-W	COMMA NCT FOLLOWED BY SPACE. ASSUMED.
597	IKF1120I-W	COMMA NCT FOLLOWED BY SPACE. ASSUMED.
616	IKF1120I-W	COMMA NOT FOLLOWED BY SPACE. ASSUMED.
616	IKF1120I-W	COMMA NOT FOLLOWED BY SPACE. ASSUMED.
622	IKF1120I-W	COMMA NCT FOLLOWED BY SPACE. ASSUMED.
622	IKF1120I-W	COMMA NCT FOLLOWED BY SPACE. ASSUMED.
623	IKF1120I-W	COMMA NCT FOLLOWED BY SPACE. ASSUMED.
623	IKF1120I-W	COMMA NCT FOLLOWED BY SPACE. ASSUMED.
624	IKF1120I-W	COMMA NCT FOLLOWED BY SPACE. ASSUMED.
624	IKF1120I-W	COMMA NCT FOLLOWED BY SPACE. ASSUMED.
625	IKF1120I-W	COMMA NCT FOLLOWED BY SPACE. ASSUMED.
625	IKF1120I-W	COMMA NCT FOLLOWED BY SPACE. ASSUMED.
630	IKF1120I-W	COMMA NCT FOLLOWED BY SPACE. ASSUMED.
630	IKF1120I-W	COMMA NCT FOLLOWED BY SPACE. ASSUMED.
631	IKF1120I-W	COMMA NCT FOLLOWED BY SPACE. ASSUMED.
631	IKF1120I-W	COMMA NCT FOLLOWED BY SPACE. ASSUMED.
670	IKF1120I-W	COMMA NCT FOLLOWED BY SPACE. ASSUMED.
671	IKF1120I-W	COMMA NOT FOLLOWED BY SPACE. ASSUMED.
684	IKF1120I-W	COMMA NCT FOLLOWED BY SPACE. ASSUMED.
684	IKF5011I-W	AN INTERMEDIATE RESULT OR A SENDING FIELD MIGHT HAVE ITS HIGH ORDER DIGIT POSITION TRUNCATED.

OS/360 LOADER

OPTIONS USED - PRINT,MAP,NOLET,CALL,RES,NOTERM,SIZE=77824,NAME=**GO

NAME	TYPE	ADDR	NAME	TYPE	ADDR	NAME	TYPE	ADDR	NAME	TYPE	ADDR	NAME	TYPE	ADDR
BRYANUP	SD	57010	ILBOSTP0*	SD	5CE88	ILBOSTP1*	LR	5CECE	SPIE *	SD	5CEF0			

TOTAL LENGTH 6448
ENTRY ADDRESS 57010

BRYAN PUBLIC SCHOOLS FOLLOW-UP DETAIL PROGRAM

The purpose of this program is to generate a report for each instructor of the number of students he taught in each program. The numbers are catagorized by the students current occupation and their relationship to the program is indicated as well as employment conditions.

To accomplish this the program reads the current master tape and sorts the follow-up students into the catagories mentioned above. As the sorted data is read each student record is analyzed and the appropriate totals are formed.

A line is printed as each occupation change occurs and a total is printed when the instructor or program changes.

This program requires only a date card for data and the date from Col. 1-8 of this card will be printed on each heading.

COMPUTER PROGRAM FOR

PRINTING A SUMMARY

OF INFORMATION

ON FORMER VOCATIONAL STUDENTS

BY YEAR STUDENT EXITED

FOR EACH INSTRUCTOR

AND VOCATIONAL COURSE/PROGRAM

```
//J  35   JOB (10327,201-B,003,005,BH),'JCRF TEST DETAIL'                    JOB 245
***C .SS          A
// EXEC COBUCL
XXCOB     EXEC  PGM=IKFCBLOO,REGION=110K                                     00020000
XXSYSPRINT  DD SYSOUT=A                                                      00040000
XXSYSPUNCH DD SYSOUT=B                                                       00060000
XXSYSUT1 DD UNIT=DISK,SPACE=(460,(700,100))                                  00080000
XXSYSUT2     DD UNIT=SYSDA,SPACE=(460,(700,100))                             00100000
XXSYSUT3     DD UNIT=SYSDA,SPACE=(460,(700,100))                             00120000
XXSYSUT4     DD UNIT=SYSDA,SPACE=(460,(700,100))                             00140000
XXSYSLIN     DD DSNAME=&&LOADSET,DISP=(MOD,PASS),UNIT=SYSDA,                X00160000
XX              SPACE=(80,(900,100))                                         00180000
//COB.SYSIN DD *
IEF236I ALLOC. FOR JCRF85   COB
IEF237I 604    ALLOCATED TO SYSPRINT
IEF237I 633    ALLOCATED TO SYSPUNCH
IEF237I 250    ALLOCATED TO SYSUT1
IEF237I 251    ALLOCATED TO SYSUT2
IEF237I 250    ALLOCATED TO SYSUT3
IEF237I 251    ALLOCATED TO SYSUT4
IEF237I 250    ALLOCATED TO SYSLIN
IEF237I 651    ALLOCATED TO SYSIN
IEF285I   SYS72221.T112405.RV000.JCRF85.R0000001         DELETED
IEF285I   VOL SER NOS=        .
IEF285I   SYS72221.T112405.RV000.JCRF85.R0000002         DELETED
IEF285I   VOL SER NOS=        .
IEF285I   SYS72221.T112405.RV000.JCRF85.R0000003         DELETED
IEF285I   VOL SER NOS= 666666.
IEF285I   SYS72221.T112405.RV000.JCRF85.R0000004         DELETED
IEF285I   VOL SER NOS= 999999.
IEF285I   SYS72221.T112405.RV000.JCRF85.R0000005         DELETED
IEF285I   VOL SER NOS= 666666.
IEF285I   SYS72221.T112405.RV000.JCRF85.R0000006         DELETED
IEF285I   VOL SER NOS= 999999.
IEF285I   SYS72221.T112405.RV000.JCRF85.LOADSET          PASSED
IEF285I   VOL SER NOS= 666666.
IEF285I   SYS72221.T112405.RV000.JCRF85.R0000007         DELETED
IEF285I   VOL SER NOS=        .
TAM001I STEP /COB/ MAXIMUM CORE USED = 106K, EXECUTE TIME = 0.60
XXLKED       EXEC  PGM=IEWL,COND=(5,LT,COB),PARM='MAP,LIST',REGION=96K       00200000
XXSYSPRINT  DD SYSOUT=A                                                      00220000
//LKED.SYSLMOD DD DSN=USER.BHS.FOREHAND.JOBLIB(DETAIL),DISP=SHR
X/SYSLMOD    DD DSNAME=&&GODATA(RUN),DISP=(NEW,PASS),                       X00240000
XX              UNIT=SYSDA,SPACE=(1024,(100,20,1))                           00260000
XXSYSLIB    DD  DSN=SYS1.COBLIB,DISP=SHR                                     00280000
XX          DD  DSNAME=SYS1.DPCLIB,DISP=SHR                                  00300000
XX DD DSN=SYS1.COBLIB,DISP=SHR                                               00320000
XXSYSUT1 DD UNIT=DISK,SPACE=(1024,(50,20))                                   00340000
XXSYSLIN     DD DSNAME=&&LOADSET,DISP=(OLD,DELETE)                           00360000
XX           DD DDNAME=SYSIN                                                 00380000
//
IEF236I ALLOC. FOR JCRF85   LKED
IEF237I 604    ALLOCATED TO SYSPRINT
IEF237I 256    ALLOCATED TO SYSLMOD
IEF237I 391    ALLOCATED TO SYSLIB
IEF237I 393    ALLOCATED TO
IEF237I 391    ALLOCATED TO
IEF237I 250    ALLOCATED TO SYSUT1
IEF237I 250    ALLOCATED TO SYSLIN
IEF285I   SYS72221.T112405.RV000.JCRF85.R0000008         DELETED
IEF285I   VOL SER NOS=        .
```

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[illegible]      [illegible]SER[illegible].FO[illegible]D.[illegible]B            KEP
IEF2[illegible]I     VOL SER NOS= RRRRRR.
IEF285I     SYS1.COBLIB                                  KEPT
IEF285I     VOL SER NOS= SYSTST.
IEF285I     SYS1.DPCLIB                                  KEPT
IEF285I     VOL SER NOS= 444444.
IEF285I     SYS1.COBLIB                                  KEPT
IEF285I     VOL SER NOS= SYSTST.
IEF285I     SYS72221.T112405.RV000.JCRF85.R0000009       DELETED
IEF285I     VOL SER NOS= 666666.
IEF285I     SYS72221.T112405.RV000.JCRF85.LOADSET        DELETED
IEF285I     VOL SER NOS= 666666.
TAM001I  STEP /LKED/ MAXIMUM CORE USED = 94K, EXECUTE TIME = 0.21
```

```
IDENTIFICATION DIVISION.
PROGRAM-ID. 'BRYANUP'.
AUTHOR.  JCRF.
DATE-WRITTEN. MARCH 1972.
INSTALLATION. TEXAS A & M UNIVERSITY.
ENVIRONMENT DIVISION.
CONFIGURATION SECTION.
SOURCE-COMPUTER. IBM-360-I65.
OBJECT-COMPUTER. IBM-360-I65.
INPUT-OUTPUT SECTION.
FILE-CONTROL.
    SELECT INPUT-CARDS ASSIGN TO UT-S-READER.
    SELECT PRINT-OUTS  ASSIGN TO UT-S-PRINTER.
    SELECT PRESORT-FILE ASSIGN TO UT-2314-S-SORTIN.
    SELECT POSTSRT-FILE ASSIGN TO UT-2314-S-SORTOUT.
    SELECT MAST-IN      ASSIGN TO UT-2400-S-MASTIN.
    SELECT SORT-DISC    ASSIGN TO UT-2314-S-SORTIN.
DATA DIVISION.
FILE SECTION.
FD  INPUT-CARDS RECORDING MODE IS F LABEL RECORDS ARE OMITTED
    DATA RECORD IS INPUT-RECORD.
01  INPUT-RECORD.
    02  IN-X-TEST PICTURE X OCCURS 80 TIMES.
FD  PRINT-OUTS RECORDING MODE F LABEL RECORDS ARE OMITTED
               DATA RECORD IS PRINT-RECORD, REPORT-OUT.
01  PRINT-RECORD PICTURE X(132).
01  REPORT-OUT PICTURE X(132).
FD  PRESORT-FILE RECORDING MODE F LABEL RECORDS ARE STANDARD
      BLOCK CONTAINS 0 RECORDS RECORD CONTAINS 356 CHARACTERS
      DATA RECORD IS SORTIN-RECORD.
01  SORTIN-RECORD PICTURE X(356).
FD  POSTSRT-FILE RECORDING MODE F LABEL RECORDS ARE STANDARD
      BLOCK CONTAINS 0 RECORDS RECORD CONTAINS 356 CHARACTERS
      DATA RECORD IS SORTOUT-RECORD.
01  SORTOUT-RECORD PICTURE X(356).
SD  SORT-DISC RECORDING MODE F RECORD CONTAINS 356 CHARACTERS
      DATA RECORD IS SORT-FIELDS, SORT-2-FIELDS.
01  SORT-FIELDS.
    02  FIELD-1 PICTURE X(11).
    02  STUDENT-NAME PICTURE X(23).
    02  FIELD-2 PICTURE X(253).
    02  VOC-COURSE PICTURE X(4).
    02  USCE-CODE-2 PICTURE X(7).
    02  FIELD-3 PICTURE X(04).
    02  CAMPUS  PICTURE X(3).
    02  FIELD-4 PICTURE X(2).
    02  INSTRUCTOR PICTURE X(17).
    02  FIELD-5 PICTURE X(32).
01  SORT-2-FIELDS.
    02  FIELD-X-6        PICTURE X(11).
    02  STUDENT-NAME-2   PICTURE X(23).
    02  FIELD-X-1        PICTURE X(76).
    02  YEAR-FOLL-UP     PICTURE X(2).
    02  FIELD-X-2        PICTURE X(175).
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           02  FIELD-X-3        PICTURE X(004).
           02  USCE-CD-X PICTURE X(7).
           02  FIELD-X-3-X      PICTURE X(004).
           02  CAMPUS-2         PICTURE X(3).
           02  FIELD-X-4        PICTURE X(2).
           02  INSTRUCTOR-2     PICTURE X(17).
           02  FIELD-X-5        PICTURE X(32).
       FD  MAST-IN RECORDING MODE F LABEL RECORDS ARE STANDARD
             BLOCK CONTAINS 0 RECORDS RECORD CONTAINS 650 CHARACTERS
             DATA RECORD IS MAST-IN-REC.
       01  MAST-IN-REC PICTURE X(650).
       WORKING-STORAGE SECTION.
       77  FIND-W-S  PICTURE X(60) VALUE 'BRYAN H S WORKING STORAGE '.
       77  NO-READ       PICTURE  9(6) VALUE ZERO.
       77  NO-WRITTEN    PICTURE  9(6) VALUE ZERO.
       77  NO-CHANGES    PICTURE  9(6) VALUE ZERO.
       77  NO-ADDS       PICTURE  9(6) VALUE ZERO.
       77  I             PICTURE  S99 COMPUTATIONAL VALUE ZERO.
       77  J             PICTURE  S99 COMPUTATIONAL VALUE ZERO.
       77  K             PICTURE  S99 COMPUTATIONAL VALUE ZERO.
       77  L             PICTURE  S99 COMPUTATIONAL VALUE ZERO.
       77  M             PICTURE  S99 COMPUTATIONAL VALUE ZERO.
       77  N             PICTURE  S99 COMPUTATIONAL VALUE ZERO.
       77  CHNG-EOF-FLG PICTURE 9 VALUE 0.
       77  CNT-STUDS-Z PICTURE 99999 VALUE ZERO.
       01  OLD-YR-F-U PICTURE XX VALUE ' '.
       01  OLD-CAMPUS-CODE PICTURE XXX VALUE ' '.
       01  CHANGE-CARDS.
           02  ID-NO-1                    PICTURE X(9).
           02  ID-NO-2 REDEFINES ID-NO-1 PICTURE X OCCURS 9 TIMES.
           02  CARD-TYPE-1.
               03  CARD-CODE-1            PICTURE X.
               03  CRD-CD-X REDEFINES CARD-CODE-1 PICTURE 9.
               03  CARD-CHNG-1            PICTURE X(69).
               03  COL-80-1               PICTURE X.
           02  CARD-TYPE-2 REDEFINES CARD-TYPE-1.
               03  CARD-CODE-2            PICTURE X.
               03  UPDATE-CODE-3                           PICTURE 99.
               03  UPDATE-CODE-5 REDEFINES UPDATE-CODE-3.
                   04  UPDATE-CODE-1 PICTURE X OCCURS 2 TIMES.
               03  FIELD-VAL              PICTURE X(62).
               03  DATE-OF-UPDATE         PICTURE X(6).
               03  DAT-OF-UP REDEFINES DATE-OF-UPDATE PICTURE X
                           OCCURS 6 TIMES.
       01  STUDENT-RECORD.
           02  DELETE-CODE                PICTURE X.
           02  ID-NO-3                    PICTURE X(9).
           02  TYPE-CODE-1                PICTURE X.
           02  RECORD-TYPE-1.
               03  RECORD-BLOCK PICTURE X(69) OCCURS 9 TIMES.
           02  RECORD-TYPE-2 REDEFINES RECORD-TYPE-1.
               03  L-NAME-1               PICTURE X(12).
               03  F-NAME-1               PICTURE X(10).
               03  M-I-1                  PICTURE X(01).
               03  EMPL-1                 PICTURE X(01).
               03  OCC-1                  PICTURE X(15).
               03  O-E-CODE-1             PICTURE X(07).
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           03  JOB-TITLE-1          PICTURE X(13).
           03  HRS-DAY-1            PICTURE X(04).
           03  SALARY-1             PICTURE X(04).
           03  SEX-1                PICTURE X(01).
           03  RACE-1               PICTURE X(01).
           03  S-ADD-1              PICTURE X(21).
           03  S-CIT-1              PICTURE X(11).
           03  S-STA-1              PICTURE X(05).
           03  S-ZIP-1              PICTURE X(05).
           03  S-ARC-1              PICTURE X(03).
           03  S-PHN-1              PICTURE X(07).
           03  BIRTH-DATE-1         PICTURE X(06).
           03  DATE-REC-1           PICTURE X(06).
           03  CRS-CNT-1            PICTURE 9(02).
           03  FILLER               PICTURE X(03).
           03  P-ADD-1              PICTURE X(21).
           03  P-CIT-1              PICTURE X(11).
           03  P-STA-1              PICTURE X(05).
           03  P-ZIP-1              PICTURE X(05).
           03  P-ARC-1              PICTURE X(03).
           03  P-PHN-1              PICTURE X(07).
           03  REMARK-1             PICTURE X(17).
           03  E-ADD-1              PICTURE X(21).
           03  E-CIT-1              PICTURE X(11).
           03  E-STA-1              PICTURE X(05).
           03  E-ZIP-1              PICTURE X(05).
           03  E-ARC-1              PICTURE X(03).
           03  E-PHN-1              PICTURE X(07).
           03  E-NAM-1              PICTURE X(17).
           03  CRS-RECORDS OCCURS 5 TIMES.
               04  VOC-CRS-1        PICTURE X(04).
               04  O-E-COD-2        PICTURE X(07).
               04  HRS-CRS-1        PICTURE X(04).
               04  SCH-ATT-1        PICTURE X(03).
               04  GRADE-1          PICTURE X(02).
               04  VOC-TEACH-1      PICTURE X(17).
               04  DATE-ENT-1       PICTURE X(04).
               04  DATE-EXIT-1      PICTURE X(04).
               04  REASON-EXIT-1    PICTURE X(04).
               04  REMARK-2         PICTURE X(20).
       02  RECORD-TYPE-3 REDEFINES RECORD-TYPE-1.
           03  L-NAME-2             PICTURE X(12).
           03  F-NAME-2             PICTURE X(10).
           03  M-I-2                PICTURE X(01).
           03  EMPL-2               PICTURE X(01).
           03  OCC-2                PICTURE X(15).
           03  O-E-CODE-2           PICTURE X(07).
           03  JOB-TITLE-2          PICTURE X(12).
           03  HRS-DAY-2            PICTURE X(05).
           03  SALARY-2             PICTURE X(04).
           03  SEX-2                PICTURE X(01).
           03  RACE-2               PICTURE X(01).
           03  L-NAME-3             PICTURE X(12).
           03  F-NAME-3             PICTURE X(10).
           03  M-I-3                PICTURE X(01).
           03  SALARY-3             PICTURE X(04).
           03  NO-OF-EMPL-2         PICTURE X(03).
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           03  YEAR-OF-1ST-ENTRY    PICTURE X(02).
           03  REMARK-3             PICTURE X(35).
           03  CRS-CNT-2            PICTURE 9(02).
           03  S-ADD-2              PICTURE X(21).
           03  S-CIT-2              PICTURE X(11).
           03  S-STA-2              PICTURE X(05).
           03  S-ZIP-2              PICTURE X(05).
           03  S-ARC-2              PICTURE X(03).
           03  S-PHN-2              PICTURE X(07).
           03  BIRTH-DATE-2         PICTURE X(06).
           03  DATE-REC-2           PICTURE X(06).
           03  STEP-ENCR-2          PICTURE X(01).
           03  FILLER               PICTURE X(04).
           03  E-ADD-2              PICTURE X(21).
           03  E-CIT-2              PICTURE X(11).
           03  E-STA-2              PICTURE X(05).
           03  E-ZIP-2              PICTURE X(05).
           03  E-ARC-2              PICTURE X(03).
           03  E-PHN-2              PICTURE X(07).
           03  E-NAM-2              PICTURE X(17).
           03  CRS-RECORDS-2 OCCURS 5 TIMES.
               04  VOC-CRS-2        PICTURE X(04).
               04  C-E-COD-3        PICTURE X(07).
               04  HRS-CRS-2        PICTURE X(04).
               04  SCT-ATT-2        PICTURE X(03).
               04  GRADE-2          PICTURE X(02).
               04  VOC-TEACH-2      PICTURE X(17).
               04  DATE-EXIT-2      PICTURE X(04).
               04  REASON-EXIT-2    PICTURE X(04).
               04  VOC-Y-N-2        PICTURE X(01).
               04  HRS-COMPL-2      PICTURE X(04).
               04  PER-CEN-COM-2    PICTURE X(03).
               04  POST-EXIT-ACT-2  PICTURE X(04).
               04  DATE-ENT-2       PICTURE X(04).
               04  FILLER           PICTURE X(08).
       01  REPORT-TYPE-FLAGS.
           02  DATE-OF-REPORT PICTURE X(8).
           02  TYPE-OF-REPORT PICTURE 9.
       01  REDEF-FIELDS.
           02  REDEF-1 PICTURE XX.
           02  REDEF-2 REDEFINES REDEF-1 PICTURE 99.
           02  REDEF-3 REDEFINES REDEF-1 PICTURE X OCCURS 2 TIMES.
       01  NAME-FIELDS.
           02  L-N-X.
               03  L-N-Y PICTURE X OCCURS 13 TIMES.
           02  F-N-X.
               03  F-N-X PICTURE X OCCURS 11 TIMES.
       01  ERROR-FLAG PICTURE 9 VALUE ZERO.
       01  OLD-CAMPUS-CD      PICTURE X(03) VALUE ' '.
       01  OLD-VOC-CRS-CD     PICTURE X(04) VALUE ' '.
       01  OLD-INSTR-NAME     PICTURE X(17) VALUE ' '.
       01  OLD-PRGM-CD PICTURE X(4) VALUE ' '.
       01  OLD-O-E-CODE PICTURE X(7) VALUE ' '.
       01  LNCNT PICTURE 99 VALUE 99.
       01  HRS-PER-DAY-C.
           02  HRS-PER-DAY-Y PICTURE X(5).
           02  HRS-PER-DAY-X REDEFINES HRS-PER-DAY-Y PICTURE 999V99.
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           02  HRS-PER-DAY-Z REDEFINES HRS-PER-DAY-Y PICTURE X
               OCCURS 5 TIMES.
       01  CODE-TEST-SPOT-1.
           02  FIRST-PART-1 PICTURE XX.
           02  PERIOD-1     PICTURE X.
           02  CODE-PART-1  PICTURE XX.
           02  JUNK-PART-1  PICTURE XX.
       01  CODE-TEST-SPOT-2.
           02  FIRST-PART-2 PICTURE XX.
           02  PERIOD-2     PICTURE X.
           02  CODE-PART-2  PICTURE XX.
           02  JUNK-PART-2  PICTURE XX.
       01  SQUEEZ-FIELDS.
           02  SQ-FIELD-A    PICTURE X(21).
           02  SQ-FIELD-1 REDEFINES SQ-FIELD-A.
               03  SQ-ZONE-I PICTURE X OCCURS 21  TIMES.
           02  SQ-FIELD-B    PICTURE X(21).
           02  SQ-FIELD-2 REDEFINES SQ-FIELD-B.
               03  SQ-ZONE-J PICTURE X OCCURS 21  TIMES.
           02  SQ-FIELD-C    PICTURE X(21).
           02  SQ-FIELD-3 REDEFINES SQ-FIELD-C.
               03  SQ-ZONE-K PICTURE X OCCURS 21  TIMES.
           02  SQ-FIELD-D    PICTURE X(21).
           02  SQ-FIELD-4 REDEFINES SQ-FIELD-D.
               03  SQ-ZONE-L PICTURE X OCCURS 21  TIMES.
       01  LINE-COUNT PICTURE 99 VALUE 13.
       01  CAMPUS-LIST.
           02  C-LIST-1  PICTURE X(50) VALUE
               '000EDUCATIONAL SERVICE CENTER                     '.
           02  C-LIST-2  PICTURE X(50) VALUE
               '002STEPHAN F AUSTIN                               '.
           02  C-LIST-3  PICTURE X(50) VALUE
               '001BRYAN HIGH                                     '.
           02  C-LIST-4  PICTURE X(50) VALUE
               '041ANSON JONES                                    '.
           02  C-LIST-5  PICTURE X(50) VALUE
               'C42LAMAR                                          '.
           02  C-LIST-6  PICTURE X(50) VALUE
               '111NEAL                                           '.
           02  C-LIST-7  PICTURE X(50) VALUE
               '101BONHAM                                         '.
           02  C-LIST-8  PICTURE X(50) VALUE
               '102BOWIE                                          '.
           02  C-LIST-9  PICTURE X(50) VALUE
               '103CARVER-KEMP                                    '.
           02  C-LIST-10 PICTURE X(50) VALUE
               '104CROCKETT                                       '.
           02  C-LIST-11 PICTURE X(50) VALUE
               '105FANNIN                                         '.
           02  C-LIST-12 PICTURE X(50) VALUE
               '106MILAM                                          '.
           02  C-LIST-13 PICTURE X(50) VALUE
               '107ROSS                                           '.
           02  C-LIST-14 PICTURE X(50) VALUE
               '108TRAVIS                                         '.
           02  C-LIST-15 PICTURE X(50) VALUE
               '109WASHINGTON CAMPUS                              '.
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         02  C-LIST-16 PICTURE X(50) VALUE
              '110HENDERSON                                    '.
         02  C-LIST-17 PICTURE X(50) VALUE
              '200LIBRARY PROCESSING CENTER                    '.
         02  C-LIST-18 PICTURE X(50) VALUE
              '201WAREHOUSE                                    '.
     01  CAMPUS-LIST-2 REDEFINES CAMPUS-LIST.
         02  C-LST-X OCCURS 18 TIMES.
             03  CAMP-CODE PICTURE XXX.
             03  CAMP-NAME PICTURE X(47).
     01  VOC-PROGRAM.
         02  VOC-PROG-1   PICTURE X(50) VALUE
              'COAGCOOPERATIVE AGRICULTURE                       '.
         02  VOC-PROG-2   PICTURE X(50) VALUE
              'VOAGVOCATIONAL AGRICULTURE                        '.
         02  VOC-PROG-3   PICTURE X(50) VALUE
              'AMECAUTO MECHANICS                                '.
         02  VOC-PROG-4   PICTURE X(50) VALUE
              'BLTCBUILDING TRADES                               '.
         02  VOC-PROG-5   PICTURE X(50) VALUE
              'CSMOCOSMETOLOGY                                   '.
         02  VOC-PROG-6   PICTURE X(50) VALUE
              'CVAECOORDINATED VOC. ACADEMIC TRAINING            '.
         02  VOC-PROG-7   PICTURE X(50) VALUE
              'DETRDISTRIBUTED EDUCATION TRAINING                '.
         02  VOC-PROG-8   PICTURE X(50) VALUE
              'DPTRDATA PROCESSING TRAINING                      '.
         02  VOC-PROG-9   PICTURE X(50) VALUE
              'ICTRINDUSTRIAL COOPERATIVE TRAINING               '.
         02  VOC-PROG-10  PICTURE X(50) VALUE
              'HECEHOME ECONOMIC COOPERATIVE EDUCATION           '.
         02  VOC-PROG-11  PICTURE X(50) VALUE
              'HOCTHEALTH OCCUPATIONS COOPERATIVE TRAINING       '.
         02  VOC-PROG-12  PICTURE X(50) VALUE
              'PELBPRE EMPLOYMENT LAB                            '.
         02  VOC-PROG-13  PICTURE X(50) VALUE
              'HMKTHOME MAKING TRAINING                          '.
         02  VOC-PROG-14  PICTURE X(50) VALUE
              'VONRVOCATIONAL NURSE TRAINING                     '.
         02  VOC-PROG-15  PICTURE X(50) VALUE
              'VOEDVOCATIONAL OFFICE EDUCATION                   '.
         02  VOC-PROG-16  PICTURE X(50) VALUE
              'BVAEBUILDING TRADES ACADEMIC EDUCATION            '.
         02  VOC-PROG-17  PICTURE X(50) VALUE
              'HVAEHORTICULTURE ACADEMIC EDUCATION               '.
         02  VOC-PROG-18  PICTURE X(50) VALUE
              'OVAEOFFICE DUPLICATION ACADEMIC EDUCATION         '.
     01  VOC-PROGRAM-1 REDEFINES VOC-PROGRAM.
         02  PROG-LIST OCCURS 18 TIMES.
             03  PROG-CODE-X PICTURE XXXX.
             03  PROG-NAME-X PICTURE X(46).
     01  HEAD-1.
         02  HEAD-1-1 PICTURE X(50) VALUE
              '                                      B R Y A N'.
         02  HEAD-1-2 PICTURE X(50) VALUE
              ' P U B L I C   S C H O O L S                    '.
         02  HEAD-1-3 PICTURE X(50) VALUE
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              '                                                 '.
       01  HEAD-2.
           02  HEAD-2-1 PICTURE X(50) VALUE
              '                                          V O C A T'.
           02  HEAD-2-2 PICTURE X(50) VALUE
              ' I O N A L   E D U C A T I O N   D E P A R T M E N T'.
           02  HEAD-2-3 PICTURE X(50) VALUE
              '                                                 '.
       01  HEAD-3.
           02  HEAD-3-1 PICTURE X(50) VALUE
              '                                          F O L L O'.
           02  HEAD-3-2 PICTURE X(20) VALUE
              ' W - U P   A S   O F '.
           02  HEAD-3-3 PICTURE X(20) VALUE   ' '.
       01  HEAD-4.
           02  HEAD-4-1 PICTURE X(10) VALUE
              ' CAMPUS : '.
           02  HEAD-4-2 PICTURE X(30) VALUE
              '             '.
           02  HEAD-4-3 PICTURE X(20) VALUE
              '   COURSE/PROGRAM: '.
           02  HEAD-4-4 PICTURE X(37) VALUE    ' '.
           02  HEAD-4-5 PICTURE X(13) VALUE
              ' INSTRUCTOR: '.
           02  HEAD-4-6 PICTURE X(20) VALUE
              ' '.
       01  HEAD-5.
           02  HEAD-5-1   PICTURE X(42) VALUE ' '.
           02  HEAD-5-2   PICTURE X(50) VALUE
              '                   NUMBER NOT AVAILABLE  NUMBER'.
           02  HEAD-5-3   PICTURE X(50) VALUE
              ' AVAILABLE FOR PLACEMENT'.
       01  HEAD-6.
           02  HEAD-6-1   PICTURE X(42) VALUE ' '.
           02  HEAD-6-2   PICTURE X(50) VALUE
              '                     FOR PLACEMENT             '.
           02  HEAD-6-3   PICTURE X(50) VALUE
              '                   '.
       01  HEAD-7.
           02  HEAD-7-1   PICTURE X(42) VALUE
              '    USOE CODE    OCCUPATION            A '.
           02  HEAD-7-2   PICTURE X(50) VALUE
              '     B       C        D        E  F  G  H  I  J   K '.
           02  HEAD-7-3   PICTURE X(50) VALUE
              '     L         M       N        O       P'.
       01  HEAD-17.
           02  HEAD-17-1 PICTURE X(50) VALUE
              '                                          Y E A R'.
           02  HEAD-17-2 PICTURE X(02) VALUE    ' '.
       01  MALE-LINE.
           02  FILLER          PICTURE X(01) VALUE ' '.
           02  O-E-CODE-X      PICTURE X(10).
           02  FILLER          PICTURE X(01) VALUE ' '.
           02  SPECIALITY      PICTURE X(26).
           02  FILLER           PICTURE X(04) VALUE '  M'.
           02  CNT-XX-1         PICTURE Z(6).
           02  CNT-XX-2         PICTURE Z(6).
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           02  CNT-XX-3       PICTURE Z(7).
           02  CNT-XX-4       PICTURE Z(8).
           02  CNT-XX-5       PICTURE Z(4).
           02  CNT-XX-6       PICTURE Z(3).
           02  CNT-XX-7       PICTURE Z(3).
           02  CNT-XX-8       PICTURE Z(3).
           02  CNT-XX-9       PICTURE Z(3).
           02  CNT-XX-10      PICTURE Z(5).
           02  CNT-XX-11      PICTURE Z(8).
           02  CNT-XX-12      PICTURE Z(8).
           02  CNT-XX-13      PICTURE Z(6).
           02  CNT-XX-14      PICTURE Z(7).
           02  CNT-XX-15 PICTURE Z(8).
       01  GIRL-LINE.
           02  FILLER        PICTURE X(38) VALUE ' '.
           02  FILLER         PICTURE X(04) VALUE '  F'.
           02  CNT-YY-1       PICTURE Z(6).
           02  CNT-YY-2       PICTURE Z(6).
           02  CNT-YY-3       PICTURE Z(7).
           02  CNT-YY-4       PICTURE Z(8).
           02  CNT-YY-5       PICTURE Z(4).
           02  CNT-YY-6       PICTURE Z(3).
           02  CNT-YY-7       PICTURE Z(3).
           02  CNT-YY-8       PICTURE Z(3).
           02  CNT-YY-9       PICTURE Z(3).
           02  CNT-YY-10      PICTURE Z(5).
           02  CNT-YY-11      PICTURE Z(8).
           02  CNT-YY-12      PICTURE Z(8).
           02  CNT-YY-13      PICTURE Z(6).
           02  CNT-YY-14      PICTURE Z(7).
           02  CNT-YY-15 PICTURE Z(8).
       01  SUM-ARRAY-1.
           02  SEX-SUM OCCURS 2 TIMES.
               03  STUFF-SUM-1 OCCURS 15 TIMES PICTURE 9999.
       01  SUM-ARRAY-2.
           02  SEX-SUM-2 OCCURS 2 TIMES.
               03  STUFF-SUM-2 OCCURS 15 TIMES PICTURE 9999.
       01  HEADING-DEFINS-1.
           02  HEAD-DEF-1   PICTURE X(50) VALUE
              ' A - SEX                                           '.
           02  HEAD-DEF-9   PICTURE X(50) VALUE
              ' I - CONTINUED STUDY AT 4 YR COLLEGE FULL TIME     '.
       01  HEADING-DEFINS-2.
           02  HEAD-DEF-2   PICTURE X(50) VALUE
              ' B - NUMBER COMPLETING REQUIREMENTS                '.
           02  HEAD-DEF-10  PICTURE X(50) VALUE
              ' J - NOT AVAILABLE FOR OTHER REASONS               '.
       01  HEADING-DEFINS-3.
           02  HEAD-DEF-3   PICTURE X(50) VALUE
              ' C - NUMBER COMPLETING PARTIAL REQUIREMENTS        '.
           02  HEAD-DEF-11  PICTURE X(50) VALUE
              ' K - TOTAL EMPLOYED                                '.
       01  HEADING-DEFINS-4.
           02  HEAD-DEF-4   PICTURE X(50) VALUE
              ' D - NUMBER STATUS UNKNOWN                         '.
           02  HEAD-DEF-12  PICTURE X(50) VALUE
              ' L - EMPLOYED IN TRAINED/RELATED FIELD FULL TIME   '.
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       01  HEADING-DEFINS-5.
           02  HEAD-DEF-5   PICTURE X(50) VALUE
             ' E - ENTERED ARMED FORCES                           '.
           02  HEAD-DEF-13  PICTURE X(50) VALUE
             ' M - EMPLOYED IN OTHER FIELD FULL TIME              '.
       01  HEADING-DEFINS-6.
           02  HEAD-DEF-6   PICTURE X(50) VALUE
             ' F - CONTINUED HIGH SCHOOL FULL TIME                '.
           02  HEAD-DEF-14  PICTURE X(50) VALUE
             ' N - EMPLOYED PART TIME                             '.
       01  HEADING-DEFINS-7.
           02  HEAD-DEF-7   PICTURE X(50) VALUE
             ' G - CONTINUED VOC/TEC TRAINING FULL TIME           '.
           02  HEAD-DEF-15  PICTURE X(50) VALUE
             ' O - UNEMPLOYED                                     '.
       01  HEADING-DEFINS-8.
           02  HEAD-DEF-8   PICTURE X(50) VALUE
             ' H - CONTINUED STUDY AT 2 YR COLLEGE FULL TIME      '.
           02  HEAD-DEF-16 PICTURE X(50) VALUE ' P - TOTAL '.
       01  EMPL-CODE-LIST.
           02  EMPL-CODE-1.
            03  FILLER PIC X(28) VALUE '01.0100AGRICULTURAL PROD    '.
            03  FILLER PIC X(28) VALUE '01.0101ANIMAL SCIENCE       '.
            03  FILLER PIC X(28) VALUE '01.0102PLANT SCIENCE        '.
            03  FILLER PIC X(28) VALUE '01.0104FARM BUSINESS MANA   '.
            03  FILLER PIC X(28) VALUE '01.0200AGRI SUPPLIES/SERVIC'.
            03  FILLER PIC X(28) VALUE '01.0201AGRICULTURAL CHEMI   '.
            03  FILLER PIC X(28) VALUE '01.0202FEEDS                '.
            03  FILLER PIC X(28) VALUE '01.0203SEEDS                '.
            03  FILLER PIC X(28) VALUE '01.0204FERTILIZERS          '.
            03  FILLER PIC X(28) VALUE '01.0299AGRI SUPPLIES/SERVIC'.
            03  FILLER PIC X(28) VALUE '01.0300AGRICULTURAL MECHANI'.
            03  FILLER PIC X(28) VALUE '01.0301AGRI POWER & MACHINE'.
            03  FILLER PIC X(28) VALUE '01.0302AGRI STRUC & CONV    '.
            03  FILLER PIC X(28) VALUE '01.0303SOIL MANAGEMENT      '.
            03  FILLER PIC X(28) VALUE '01.0304WATER MANAGEMENT     '.
            03  FILLER PIC X(28) VALUE '01.0305AGRI MECHANIC SKILLS'.
            03  FILLER PIC X(28) VALUE '01.0306AGRI CONST & MAINT   '.
            03  FILLER PIC X(28) VALUE '01.0307AGRI ELECTR          '.
            03  FILLER PIC X(28) VALUE '01.0400AGRI PRODUCTS        '.
            03  FILLER PIC X(28) VALUE '01.0401FOOD & DAIRY PRODUCT'.
            03  FILLER PIC X(28) VALUE '01.0402FARMFOOD PRODUCTS    '.
            03  FILLER PIC X(28) VALUE '01.0499AGRICULTURAL PRODUCT'.
            03  FILLER PIC X(28) VALUE '01.0500ORNAMENTAL HORTICULT'.
            03  FILLER PIC X(28) VALUE '01.0501ARBORICULTURE        '.
            03  FILLER PIC X(28) VALUE '01.0502FLORICULTURE         '.
            03  FILLER PIC X(28) VALUE '01.0503GREENHOUSE OPER & MG'.
            03  FILLER PIC X(28) VALUE '01.0504LANDSCAPING          '.
            03  FILLER PIC X(28) VALUE '01.0505NURSERY OPER & MGMT '.
            03  FILLER PIC X(28) VALUE '01.0506TURF MANAGEMENT      '.
            03  FILLER PIC X(28) VALUE '01.0600AGRICULTURAL RESOURC'.
            03  FILLER PIC X(28) VALUE '01.0601FORESTS              '.
            03  FILLER PIC X(28) VALUE '01.0602RECREATION           '.
            03  FILLER PIC X(28) VALUE '01.0603SOIL                 '.
            03  FILLER PIC X(28) VALUE '01.0604WILDLIFE             '.
            03  FILLER PIC X(28) VALUE '01.0605WATER                '.
            03  FILLER PIC X(28) VALUE '01.0606AIR                  '.
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           03  FILLER PIC X(28) VALUE '01.0607FISH                 '.
           03  FILLER PIC X(28) VALUE '01.0608RANGE                '.
           03  FILLER PIC X(28) VALUE '01.0700FORESTRY             '.
           03  FILLER PIC X(28) VALUE '01.0701FORESTS              '.
           03  FILLER PIC X(28) VALUE '01.0702FOREST PROTECTION    '.
           03  FILLER PIC X(28) VALUE '01.0703LOGGING              '.
           03  FILLER PIC X(28) VALUE '01.0704WOOD UTILIZATION     '.
           03  FILLER PIC X(28) VALUE '01.0705RECREATION           '.
           03  FILLER PIC X(28) VALUE '01.0706SPECIAL PRODUCTS     '.
           03  FILLER PIC X(28) VALUE '01.9900OTHER                '.
           03  FILLER PIC X(28) VALUE '04.0100ADVERTISING SERVICES'.
           03  FILLER PIC X(28) VALUE '04.0200APPAREL & ACCESSORIE'.
           03  FILLER PIC X(28) VALUE '04.0300AUTOMOTIVE           '.
           03  FILLER PIC X(28) VALUE '04.0400FINANCE & CREDIT     '.
           03  FILLER PIC X(28) VALUE '04.0500FLORISTRY            '.
           03  FILLER PIC X(28) VALUE '04.0600FOOD DISTRIBUTION    '.
           03  FILLER PIC X(28) VALUE '04.0700FOOD SERVICES        '.
           03  FILLER PIC X(28) VALUE '04.0800GENERAL MERCHANDISE '.
           03  FILLER PIC X(28) VALUE '04.0900SUPPLIES & EQUIPMENT'.
           03  FILLER PIC X(28) VALUE '04.1000HOME FURNISHINGS     '.
           03  FILLER PIC X(28) VALUE '04.1100HOTEL & LODGING      '.
           03  FILLER PIC X(28) VALUE '04.1200INDUSTRIAL MARKETING'.
           03  FILLER PIC X(28) VALUE '04.1300INSURANCE            '.
           03  FILLER PIC X(28) VALUE '04.1400INTERNATIONAL TRADE '.
           03  FILLER PIC X(28) VALUE '04.1500PERSONAL SERVICES    '.
           03  FILLER PIC X(28) VALUE '04.1600PETROLEUM            '.
           03  FILLER PIC X(28) VALUE '04.1700REAL ESTATE          '.
           03  FILLER PIC X(28) VALUE '04.1800RECREATION & TOURISM'.
           03  FILLER PIC X(28) VALUE '04.1900TRANSPORTATION       '.
           03  FILLER PIC X(28) VALUE '04.2000RETAIL TRADE         '.
           03  FILLER PIC X(28) VALUE '04.3100WHOLESALE TRADE      '.
           03  FILLER PIC X(28) VALUE '04.9900OTHER                '.
           03  FILLER PIC X(28) VALUE '07.0100DENTAL               '.
           03  FILLER PIC X(28) VALUE '07.0101DENTAL ASSISTING     '.
           03  FILLER PIC X(28) VALUE '07.0102DENTAL HYGIENE       '.
           03  FILLER PIC X(28) VALUE '07.0103DENTAL LAB TECH      '.
           03  FILLER PIC X(28) VALUE '07.0200MEDICAL LAB TECH     '.
           03  FILLER PIC X(28) VALUE '07.0201CYTOLOGY             '.
           03  FILLER PIC X(28) VALUE '07.0202HISTOLOGY            '.
           03  FILLER PIC X(28) VALUE '07.0203MEDICAL LAB ASST     '.
           03  FILLER PIC X(28) VALUE '07.0204HEMATOLOGY           '.
           03  FILLER PIC X(28) VALUE '07.0299OTHER MED LAB TECH   '.
           03  FILLER PIC X(28) VALUE '07.0300NURSING              '.
           03  FILLER PIC X(28) VALUE '07.0301NURSING              '.
           03  FILLER PIC X(28) VALUE '07.0302PRACTICAL NURSING    '.
           03  FILLER PIC X(28) VALUE '07.0303NURSING ASSISTANCE   '.
           03  FILLER PIC X(28) VALUE '07.0304PSYCHIATRIC AIDE     '.
           03  FILLER PIC X(28) VALUE '07.0305SURGICAL TECH        '.
           03  FILLER PIC X(28) VALUE '07.0306OBSTETRICAL TECH     '.
           03  FILLER PIC X(28) VALUE '07.0307HOME HEALTH AIDE     '.
           03  FILLER PIC X(28) VALUE '07.0400REHABILITATION       '.
           03  FILLER PIC X(28) VALUE '07.0401OCCUPATIONAL THERAPY'.
           03  FILLER PIC X(28) VALUE '07.0402PHYSICAL THER ASSIS '.
           03  FILLER PIC X(28) VALUE '07.0403PROSTHETICS          '.
           03  FILLER PIC X(28) VALUE '07.0404ORTHOTICS            '.
           03  FILLER PIC X(28) VALUE '07.0500RADIOLOGIC           '.
           03  FILLER PIC X(28) VALUE '07.0501RADIOLOGIC TECH      '.
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       03  FILLER PIC X(28) VALUE '07.0502RADIATION THERAPY    '.
       03  FILLER PIC X(28) VALUE '07.0503NUCLEAR MEDICAL TECH'.
       03  FILLER PIC X(28) VALUE '07.0599RADIOLOGIC           '.
       03  FILLER PIC X(28) VALUE '07.0600PHTHALMIC            '.
       03  FILLER PIC X(28) VALUE '07.0601OPHTHALMIC DISPENSIN'.
       03  FILLER PIC X(28) VALUE '07.0602ORTHOPTICS           '.
       03  FILLER PIC X(28) VALUE '07.0603OPTOMETRIST ASSISTAN'.
       03  FILLER PIC X(28) VALUE '07.0699OPTHALMIC            '.
       03  FILLER PIC X(28) VALUE '07.0700ENVIRONMENTAL HEALTH'.
       03  FILLER PIC X(28) VALUE '07.0701ENVIRON HEALTH ASSIS'.
       03  FILLER PIC X(28) VALUE '07.0702RADIOLOG HEALTH TECH'.
       03  FILLER PIC X(28) VALUE '07.0703SANITARIAN ASSISTANT'.
       03  FILLER PIC X(28) VALUE '07.0800MENTAL HEALTH TECHNO'.
       03  FILLER PIC X(28) VALUE '07.0801MENTAL HEALTH TECH  '.
       03  FILLER PIC X(28) VALUE '07.0802MENTAL RETARD AIDE  '.
       03  FILLER PIC X(28) VALUE '07.0899MENTAL HEALTH TECHN '.
       03  FILLER PIC X(28) VALUE '07.0900MISC HEALTH OCCUP ED'.
       03  FILLER PIC X(28) VALUE '07.0901ELECTROENCEPHAL TECH'.
       03  FILLER PIC X(28) VALUE '07.0902ELECTROCARDIO TECH  '.
       03  FILLER PIC X(28) VALUE '07.0903INHALATION THERAPY  '.
       03  FILLER PIC X(28) VALUE '07.0904MEDICAL ASSISTANT   '.
       03  FILLER PIC X(28) VALUE '07.0905CENTRAL SUPPLY TECH '.
       03  FILLER PIC X(28) VALUE '07.0906HEALTH AIDE         '.
       03  FILLER PIC X(28) VALUE '07.0907MED EMERGENCY TECH  '.
       03  FILLER PIC X(28) VALUE '07.0908FOOD SERVICE SUPV   '.
       03  FILLER PIC X(28) VALUE '07.0909MORTUARY SCIENCE    '.
       03  FILLER PIC X(28) VALUE '07.0910ORTHOPEDIC ASSISTING'.
       03  FILLER PIC X(28) VALUE '07.9900OTHER               '.
       03  FILLER PIC X(28) VALUE '09.0101HOME ECONOMICS      '.
       03  FILLER PIC X(28) VALUE '09.0102CHILD DEVELOPMENT   '.
       03  FILLER PIC X(28) VALUE '09.0103CLOTHING AND TEXTILE'.
       03  FILLER PIC X(28) VALUE '09.0104CONSUMER EDUCATION  '.
       03  FILLER PIC X(28) VALUE '09.0105FAMILY HEALTH       '.
       03  FILLER PIC X(28) VALUE '09.0106FAMILY RELATIONS    '.
       03  FILLER PIC X(28) VALUE '09.0107FOOD AND NUTRITION  '.
       03  FILLER PIC X(28) VALUE '09.0108HOME MANAGEMENT     '.
       03  FILLER PIC X(28) VALUE '09.0109HOUSING & HOME FURNI'.
       03  FILLER PIC X(28) VALUE '09.0199OTHER               '.
       03  FILLER PIC X(28) VALUE '09.0201CARE & GUID OF CHILD'.
       03  FILLER PIC X(28) VALUE '09.0202CLOTH MGMT PROD & SE'.
       03  FILLER PIC X(28) VALUE '09.0203FOOD MGMT PROD & SER'.
       03  FILLER PIC X(28) VALUE '09.0204HOME FURN EQUIP & SE'.
       03  FILLER PIC X(28) VALUE '09.0205INST & HOME MGMT & S'.
       03  FILLER PIC X(28) VALUE '09.0299OTHER               '.
       03  FILLER PIC X(28) VALUE '14.0100ACCOUNTING & COMP   '.
       03  FILLER PIC X(28) VALUE '14.0101ACCOUNTANTS         '.
       03  FILLER PIC X(28) VALUE '14.0102BOOKKEEPERS         '.
       03  FILLER PIC X(28) VALUE '14.0103CASHIERS            '.
       03  FILLER PIC X(28) VALUE '14.0104MACHINE OPERATORS   '.
       03  FILLER PIC X(28) VALUE '14.0105TELLERS             '.
       03  FILLER PIC X(28) VALUE '14.0200BUS D P SYS OCC     '.
       03  FILLER PIC X(28) VALUE '14.0201COMPUTER & CONSOLE O'.
       03  FILLER PIC X(28) VALUE '14.0202PERIPHERAL EQUIP OPE'.
       03  FILLER PIC X(28) VALUE '14.0203PROGRAMMERS         '.
       03  FILLER PIC X(28) VALUE '14.0300GEN OFFICE CLERICAL '.
       03  FILLER PIC X(28) VALUE '14.0301DUP MACHINE OPER    '.
       03  FILLER PIC X(28) VALUE '14.0302FILE CLERKS         '.
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03  FILLER PIC X(28) VALUE '14.0303GENERAL OFFICE CLERK'.
03  FILLER PIC X(28) VALUE '14.0400INFORMATION COMM    '.
03  FILLER PIC X(28) VALUE '14.0401COMM SYSTEMS CLERKS '.
03  FILLER PIC X(28) VALUE '14.0402CORRESPONDENCE CLERK'.
03  FILLER PIC X(28) VALUE '14.0403MAIL & POSTAL CLERKS'.
03  FILLER PIC X(28) VALUE '14.0404MAIL-PREP & HAND OPE'.
03  FILLER PIC X(28) VALUE '14.0405OFFICE BOYS & GIRLS '.
03  FILLER PIC X(28) VALUE '14.0406RECEPT & INF CLERKS '.
03  FILLER PIC X(28) VALUE '14.0500MAT SUPPORT OCCUPATI'.
03  FILLER PIC X(28) VALUE '14.0501PLAN & PROD CLERKS  '.
03  FILLER PIC X(28) VALUE '14.0502QUALITY CONTROL CLER'.
03  FILLER PIC X(28) VALUE '14.0503SHIP & RECE CLERKS  '.
03  FILLER PIC X(28) VALUE '14.0504STOCK & INV CLERKS  '.
03  FILLER PIC X(28) VALUE '14.0505TRAF R & TRANSP CLER'.
03  FILLER PIC X(28) VALUE '14.0600PERS TRAIN          '.
03  FILLER PIC X(28) VALUE '14.0601EDUC ASSIS & TRAIN S'.
03  FILLER PIC X(28) VALUE '14.0602INTERV & TEST TECHN '.
03  FILLER PIC X(28) VALUE '14.0603PERSONNEL ASSISTANTS'.
03  FILLER PIC X(28) VALUE '14.0700STENO SECRET        '.
03  FILLER PIC X(28) VALUE '14.0701EXECUTIVE SECRETARY '.
03  FILLER PIC X(28) VALUE '14.0702SECRETARIES         '.
03  FILLER PIC X(28) VALUE '14.0703STENOGRAPHERS       '.
03  FILLER PIC X(28) VALUE '14.0800SUPERV & ADMIN MGMT '.
03  FILLER PIC X(28) VALUE '14.0801ADMIN ASSIS         '.
03  FILLER PIC X(28) VALUE '14.0802BUDGET MGMT ANALYSTS'.
03  FILLER PIC X(28) VALUE '14.0803CLER & SUPER        '.
03  FILLER PIC X(28) VALUE '14.0804DATA-METHODS & SYS-P'.
03  FILLER PIC X(28) VALUE '14.0805MAN & CHIEF CLERKS  '.
03  FILLER PIC X(28) VALUE '14.0900TYPING & RELATED OCC'.
03  FILLER PIC X(28) VALUE '14.0901CLERK-TYPISTS       '.
03  FILLER PIC X(28) VALUE '14.0902TYPISTS             '.
03  FILLER PIC X(28) VALUE '14.9900OTHER               '.
03  FILLER PIC X(28) VALUE '16.0101AERONAUTICAL TECH   '.
03  FILLER PIC X(28) VALUE '16.0103ARCHITECTURAL TECH  '.
03  FILLER PIC X(28) VALUE '16.0104AUTOMOTIVE TECH     '.
03  FILLER PIC X(28) VALUE '16.0105CHEMICAL TECH       '.
03  FILLER PIC X(28) VALUE '16.0106CIVIL & SAN TECH    '.
03  FILLER PIC X(28) VALUE '16.0107ELECTRICAL TECH     '.
03  FILLER PIC X(28) VALUE '16.0108ELECTRONIC TECH     '.
03  FILLER PIC X(28) VALUE '16.0109ELECTRO TECH        '.
03  FILLER PIC X(28) VALUE '16.0110ENVIR-CONTROL TECH  '.
03  FILLER PIC X(28) VALUE '16.0111INDUSTRIAL TECH     '.
03  FILLER PIC X(28) VALUE '16.0112INSTR TECH          '.
03  FILLER PIC X(28) VALUE '16.0113MECHANICAL TECH     '.
03  FILLER PIC X(28) VALUE '16.0113MACHINE & TOOL DESIG'.
03  FILLER PIC X(28) VALUE '16.0114METAL TECH          '.
03  FILLER PIC X(28) VALUE '16.0116PETROLEUM TECH      '.
03  FILLER PIC X(28) VALUE '16.0117SCIEN DATAPROCES    '.
03  FILLER PIC X(28) VALUE '16.0204PLANT SCIENCE       '.
03  FILLER PIC X(28) VALUE '16.0300HEALTH-RELATED TECH '.
03  FILLER PIC X(28) VALUE '16.0400OFFICE-RELATED TECH '.
03  FILLER PIC X(28) VALUE '16.0601COMM PILOT TRAINING '.
03  FILLER PIC X(28) VALUE '16.0602FIRE & SAFETY TECH  '.
03  FILLER PIC X(28) VALUE '16.0603FORESTRY TECH       '.
03  FILLER PIC X(28) VALUE '16.0604OCEANOGRAPHIC TECH  '.
03  FILLER PIC X(28) VALUE '16.0605POLICE SCIENCE      '.
03  FILLER PIC X(28) VALUE '16.9901AIR POLLUTION TECH  '.
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03  FILLER PIC X(28) VALUE '16.9902WASTE WATER TECH     '.
03  FILLER PIC X(28) VALUE '16.9900OTHER                '.
03  FILLER PIC X(28) VALUE '17.0100AIR CONDITIONING     '.
03  FILLER PIC X(28) VALUE '17.0101COOLING              '.
03  FILLER PIC X(28) VALUE '17.0102HEATING              '.
03  FILLER PIC X(28) VALUE '17.0103VENTILATION          '.
03  FILLER PIC X(28) VALUE '17.0200APPLIANCE REPAIR     '.
03  FILLER PIC X(28) VALUE '17.0201ELECTRICAL APPLIANCE'.
03  FILLER PIC X(28) VALUE '17.0202GAS APPLIANCES       '.
03  FILLER PIC X(28) VALUE '17.0300AUTOMOTIVE SERVICES  '.
03  FILLER PIC X(28) VALUE '17.0301AUTO BODY REPAIR     '.
03  FILLER PIC X(28) VALUE '17.0302AUTO MECHANICS       '.
03  FILLER PIC X(28) VALUE '17.0303AUTO SPECI           '.
03  FILLER PIC X(28) VALUE '17.0399AUTO SERV            '.
03  FILLER PIC X(28) VALUE '17.0400AVIATION OCCUPATIONS'.
03  FILLER PIC X(28) VALUE '17.0401AIRCRAFT MAINT       '.
03  FILLER PIC X(28) VALUE '17.0402AIRCRAFT OPERATIONS  '.
03  FILLER PIC X(28) VALUE '17.0403GROUND OPERATIONS    '.
03  FILLER PIC X(28) VALUE '17.0500BLUEPRINT READING    '.
03  FILLER PIC X(28) VALUE '17.0600BUSINESS MACHINE REP'.
03  FILLER PIC X(28) VALUE '17.0700COMMERCIAL ART       '.
03  FILLER PIC X(28) VALUE '17.0701INTERIOR DECORATING  '.
03  FILLER PIC X(28) VALUE '17.0702WINDOW DISPLAY       '.
03  FILLER PIC X(28) VALUE '17.0703PRODUCT DESIGN       '.
03  FILLER PIC X(28) VALUE '17.0800COMM FISHERY OCCUP   '.
03  FILLER PIC X(28) VALUE '17.0801SEAMANSHIP           '.
03  FILLER PIC X(28) VALUE '17.0802SHIP & BOAT OPER & M'.
03  FILLER PIC X(28) VALUE '17.0900COMM PHOTOGRAPHY     '.
03  FILLER PIC X(28) VALUE '17.0901PHOT LAB & DARKROOM  '.
03  FILLER PIC X(28) VALUE '17.1000CONST & MAINT        '.
03  FILLER PIC X(28) VALUE '17.1001CARPENTRY            '.
03  FILLER PIC X(28) VALUE '17.1002ELECTRICITY          '.
03  FILLER PIC X(28) VALUE '17.1003HEAVY EQUIPMENT      '.
03  FILLER PIC X(28) VALUE '17.1004MASONRY              '.
03  FILLER PIC X(28) VALUE '17.1005PAINT & DECOR        '.
03  FILLER PIC X(28) VALUE '17.1006PLASTERING           '.
03  FILLER PIC X(28) VALUE '17.1007PIPING TRADE         '.
03  FILLER PIC X(28) VALUE '17.1008DRY-WALL INSTAL      '.
03  FILLER PIC X(28) VALUE '17.1010ROOFING              '.
03  FILLER PIC X(28) VALUE '17.1099CONST & MAINT        '.
03  FILLER PIC X(28) VALUE '17.1100CUSTODIAL SERVICES   '.
03  FILLER PIC X(28) VALUE '17.1200DIESEL MECHANICS     '.
03  FILLER PIC X(22) VALUE '17.1300DRAFTING             '.
03  FILLER PIC X(28) VALUE '17.1400ELECTRICAL TRADES    '.
03  FILLER PIC X(28) VALUE '17.1401INDUSTRIAL ELECT     '.
03  FILLER PIC X(28) VALUE '17.1402LINEMAN              '.
03  FILLER PIC X(28) VALUE '17.1403MOTOR REPAIRMAN      '.
03  FILLER PIC X(28) VALUE '17.1500ELECTRONIC OCCUPAT   '.
03  FILLER PIC X(28) VALUE '17.1501COMMUNICATIONS       '.
03  FILLER PIC X(28) VALUE '17.1502INDUSTRIAL ELECTRONI'.
03  FILLER PIC X(28) VALUE '17.1503RADIO & TELEV REP    '.
03  FILLER PIC X(28) VALUE '17.1600FABRIC MAINT SERV    '.
03  FILLER PIC X(28) VALUE '17.1601CLEANING & PRESSING  '.
03  FILLER PIC X(28) VALUE '17.1602LAUNDERING           '.
03  FILLER PIC X(28) VALUE '17.1700FORE SUP & MAN DEVE  '.
03  FILLER PIC X(28) VALUE '17.1800GENERAL CONTINUATION'.
03  FILLER PIC X(28) VALUE '17.1900PRINTING TRADES      '.
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03  FILLER PIC X(28) VALUE '17.1901COMP MAKEUP & TYPESE'.
03  FILLER PIC X(28) VALUE '17.1902PRINTING PRESS OCCUP'.
03  FILLER PIC X(28) VALUE '17.1903LITHO PHOTO PLATE   '.
03  FILLER PIC X(28) VALUE '17.1904PHOTOGRAVING        '.
03  FILLER PIC X(28) VALUE '17.1905SILK SCREEN MAK & PR'.
03  FILLER PIC X(28) VALUE '17.1906BOOKBINDING         '.
03  FILLER PIC X(28) VALUE '17.2000IND ATOMIC ENERGY   '.
03  FILLER PIC X(28) VALUE '17.2001INST OPER MAINT REAC'.
03  FILLER PIC X(28) VALUE '17.2002RADIOGRAPHY         '.
03  FILLER PIC X(28) VALUE '17.2003IND RADIOISOTOPES   '.
03  FILLER PIC X(28) VALUE '17.2100INS MAINT REPAIR    '.
03  FILLER PIC X(28) VALUE '17.2101INSTRUMENTS         '.
03  FILLER PIC X(28) VALUE '17.2102WATCHMAKING & REPAIR'.
03  FILLER PIC X(28) VALUE '17.2200MARITIME OCCUP      '.
03  FILLER PIC X(28) VALUE '17.2300METALWORKING        '.
03  FILLER PIC X(28) VALUE '17.2301FOUNDRY             '.
03  FILLER PIC X(28) VALUE '17.2302MACHINE SHOP        '.
03  FILLER PIC X(28) VALUE '17.2303MACHINE TOLL OPER   '.
03  FILLER PIC X(28) VALUE '17.2304METAL TRADES        '.
03  FILLER PIC X(28) VALUE '17.2305SHEET METAL         '.
03  FILLER PIC X(28) VALUE '17.2306WELDING             '.
03  FILLER PIC X(28) VALUE '17.2307TOOL & DIE MAKING   '.
03  FILLER PIC X(28) VALUE '17.2308DIE SINKING         '.
03  FILLER PIC X(28) VALUE '17.2309METAL PATTERNMAKING '.
03  FILLER PIC X(28) VALUE '17.2400METALLURGY          '.
03  FILLER PIC X(28) VALUE '17.2600PERSONAL SERVICES   '.
03  FILLER PIC X(28) VALUE '17.2601BARBERING           '.
03  FILLER PIC X(28) VALUE '17.2602COSMETOLOGY         '.
03  FILLER PIC X(28) VALUE '17.2699OTHER PERSONAL SERV '.
03  FILLER PIC X(28) VALUE '17.2700VOCATIONAL PLASTICS '.
03  FILLER PIC X(28) VALUE '17.2800PUBLIC SERVICE      '.
03  FILLER PIC X(28) VALUE '17.2801FIREMAN TRAINING    '.
03  FILLER PIC X(28) VALUE '17.2802LAW ENFORCE TRAINING'.
03  FILLER PIC X(28) VALUE '17.2899OTHER PUBLIC SERVICE'.
03  FILLER PIC X(28) VALUE '17.2900QUANTITY FOOD OCC   '.
03  FILLER PIC X(28) VALUE '17.2901BAKER               '.
03  FILLER PIC X(28) VALUE '17.2902COMMERCIAL COOKING  '.
03  FILLER PIC X(28) VALUE '17.2904WAITER/WAITRESS     '.
03  FILLER PIC X(28) VALUE '17.3000REFRIGERATION       '.
03  FILLER PIC X(28) VALUE '17.3100SMALL ENGINE REPAIR '.
03  FILLER PIC X(28) VALUE '17.3200STAT ENGINE SOURCES '.
03  FILLER PIC X(28) VALUE '17.3201ELEC POWER GEN PLANT'.
03  FILLER PIC X(28) VALUE '17.3202PUMPING PLANTS      '.
03  FILLER PIC X(28) VALUE '17.3299INDUS ENGINE REPAIR '.
03  FILLER PIC X(28) VALUE '17.3300TEXTILE PROD & FABRI'.
03  FILLER PIC X(28) VALUE '17.3301NEEDLE TRADES       '.
03  FILLER PIC X(28) VALUE '17.3302TAILORING           '.
03  FILLER PIC X(28) VALUE '17.3400LEATHER TRADES      '.
03  FILLER PIC X(28) VALUE '17.3401MANUFACTURING       '.
03  FILLER PIC X(28) VALUE '17.3402SHOE REPAIR         '.
03  FILLER PIC X(28) VALUE '17.3500UPHOLSTERING        '.
03  FILLER PIC X(28) VALUE '17.3600WOODWORKING         '.
03  FILLER PIC X(28) VALUE '17.3601MILLWORK & CABINETMA'.
03  FILLER PIC X(28) VALUE '17.9900OTHER               '.
03  FILLER PIC X(28) VALUE '99.0000TOT SPEC PROGRAMS   '.
03  FILLER PIC X(28) VALUE '99.0100GROUP GUIDANCE      '.
03  FILLER PIC X(28) VALUE '99.0200PRE-POST SECONDARY  '.
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        03  FILLER PIC X(28) VALUE '99.0300REMEDIAL
        03  FILLER PIC X(28) VALUE '99.0400OTHER NEC
       02  EMPL-CODE-2 REDEFINES EMPL-CODE-1.
           03  EMPL-CODE-3 OCCURS 323  TIMES.
               04  CODE-EMPL PICTURE X(7).
               04  ALPH-EMPL PICTURE X(21).
 PROCEDURE DIVISION.
 START-PROGRAM.
     CALL 'SPIE'.
     OPEN INPUT INPUT-CARDS.
     READ INPUT-CARDS INTO REPORT-TYPE-FLAGS AT END
       MOVE 'CURRENT' TO REPORT-TYPE-FLAGS.
     CLOSE INPUT-CARDS.
     OPEN INPUT MAST-IN.
     OPEN OUTPUT PRESORT-FILE.
 READ-LOOP-1.
     READ MAST-IN INTO STUDENT-RECORD AT END GO TO LAST-IN.
     IF TYPE-CODE-1 = '1' GO TO READ-LOOP-1.
     PERFORM WRITE-SPOT VARYING L FROM 1 BY 1 UNTIL L > CRS-CNT-2.
     GO TO READ-LOOP-1.
 WRITE-SPOT.
     COMPUTE I = L + 4.
     MOVE RECORD-BLOCK (I) TO RECORD-BLOCK (5).
     IF RECORD-BLOCK (5) NOT = SPACES
         AND VOC-Y-N-2 (1) NOT = 'N'
         ADD 1 TO CNT-STUDS-Z
         WRITE SORTIN-RECORD FROM STUDENT-RECORD.
     MOVE L TO L.
 LAST-IN.
     CLOSE MAST-IN.
     CLOSE PRESORT-FILE.
     SORT SORT-DISC ASCENDING CAMPUS-2, VOC-COURSE, INSTRUCTOR-2
          YEAR-FOLL-UP
          USOE-CD-X
           USING PRESORT-FILE GIVING  POSTSRT-FILE.
     OPEN INPUT  POSTSRT-FILE.
     OPEN OUTPUT PRINT-OUTS.
 READ-LOOP-2.
     READ POSTSRT-FILE INTO STUDENT-RECORD AT END GO TO STOP-2.
     IF SCT-ATT-2 (1) NOT = OLD-CAMPUS-CD GO TO SUMMARY-1.
     IF OLD-INSTR-NAME NOT = VOC-TEACH-2 (1) GO TO SUMMARY-1.
     IF OLD-PROM-CD NOT = VOC-CRS-2 (1) GO TO SUMMARY-1.
         IF OLD-YR-F-U NOT = YEAR-OF-1ST-ENTRY GO TO SUMMARY-1.
     IF O-E-COD-3 (1) NOT = OLD-O-E-CODE GO TO SUMMARY-2.
 SUMMARY-RETURNS.
     PERFORM MAKE-SUMS.
     GO TO READ-LOOP-2.
 STOP-2.
     PERFORM SUMMARY-LINES.
     MOVE ' ' TO REPORT-OUT.
     WRITE REPORT-OUT AFTER POSITIONING 0 LINES.
     CLOSE POSTSRT-FILE.
     CLOSE PRINT-OUTS.
     STOP RUN.
 MAKE-SUMS SECTION.
     IF SEX-2 = 'M' MOVE 1 TO K OTHERWISE MOVE 2 TO K.
     ADD 1 TO STUFF-SUM-1 (K, 15).
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           MOVE 2 TO L.
           IF PER-CEN-COM-2 (I) = '100' MOVE 1 TO L.
           ADD 1 TO STUFF-SUM-1 (K, L).
           IF POST-EXIT-ACT-2 (I) = 'MISC'  MOVE  5 TO L GO TO SUM-XX.
           IF POST-EXIT-ACT-2 (I) = 'COL2'  MOVE  7 TO L GO TO SUM-XX.
           IF POST-EXIT-ACT-2 (I) = 'COL4'  MOVE  8 TO L GO TO SUM-XX.
           IF POST-EXIT-ACT-2 (I) = 'VOTC'  MOVE  6 TO L GO TO SUM-XX.
           IF POST-EXIT-ACT-2 (I) = 'ENAF'  MOVE  4 TO L GO TO SUM-XX.
           IF POST-EXIT-ACT-2 (I) = 'MARC'  MOVE  9 TO L GO TO SUM-XX.
           IF POST-EXIT-ACT-2 (I) = 'UNEM'  MOVE 14 TO L GO TO SUM-XX.
           IF POST-EXIT-ACT-2 (I) = 'WORK'  GO TO WORK-TEST.
           MOVE 3 TO L.
       SUM-XX.
           ADD 1 TO STUFF-SUM-1 (K, L).
           GO TO SECTN-XIT.
       WORK-TEST.
           ADD 1 TO STUFF-SUM-1 (K, 10).
           PERFORM TEST-HRS-PER-DAY.
           IF HRS-PER-DAY-X < 4.0 MOVE 13 TO L GO TO SUM-XX.
           MOVE O-E-COD-3 (I) TO CODE-TEST-SPOT-1.
           MOVE O-E-CODE-2    TO CODE-TEST-SPOT-2.
           MOVE 12 TO L.
           IF FIRST-PART-1 = FIRST-PART-2 AND
              CODE-PART-1 = CODE-PART-2 MOVE 11 TO L.
           GO TO SUM-XX.
       TEST-HRS-PER-DAY.
           MOVE HRS-DAY-2 TO HRS-PER-DAY-Y.
           IF HRS-PER-DAY-Z (3) = '.' MOVE HRS-PER-DAY-Z (2)
             TO HRS-PER-DAY-Z (3)     MOVE HRS-PER-DAY-Z (1)
             TO HRS-PER-DAY-Z (2)     MOVE '0'
             TO HRS-PER-DAY-Z (1).
           PERFORM TESTS-XXX VARYING I FROM 1 BY 1 UNTIL I > 5.
           MOVE L TO L.
       TESTS-XXX.
           IF HRS-PER-DAY-Z (I) > '9' MOVE '0' TO HRS-PER-DAY-Z (I).
           IF HRS-PER-DAY-Z (I) < '0' MOVE '0' TO HRS-PER-DAY-Z (I).
           MOVE L TO L.
       SECTN-XIT.
           EXIT.
       STOPPING-1 SECTION.
       SUMMARY-1.
           IF LNCNT < 90 PERFORM SUMMARY-LINES.
           PERFORM SETUP-HEAD.
           PERFORM WRITE-HEAD.
           PERFORM ZRO-SUM-1.
           PERFORM ZRO-SUM-2.
           MOVE 2 TO LNCNT.
           GO TO SUMMARY-RETURNS.
       SUMMARY-2.
           IF LNCNT > 12 MOVE  2 TO LNCNT PERFORM WRITE-HEAD.
           PERFORM DETAIL-SUM-LINES.
           PERFORM ADD-TO-TOTAL.
           PERFORM ZRO-SUM-1.
           ADD 1 TO LNCNT.
           GO TO SUMMARY-RETURNS.
       SUMMARY-LINES.
           IF LNCNT > 12 PERFORM WRITE-HEAD.
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        PERFORM DETAIL-SUM-LINES.
        PERFORM ADD-TO-TOTAL.
        PERFORM TOTAL-SUM-LINES.
    ADD-TO-TOTAL.
        PERFORM EXTRA-ADD-Z VARYING L FROM 1 BY 1 UNTIL L > 15.
    EXTRA-ADD-Z.
        ADD STUFF-SUM-1 (1, L) TO STUFF-SUM-2 (1, L).
        ADD STUFF-SUM-1 (2, L) TO STUFF-SUM-2 (2, L).
    ZRO-SUM-1.
        PERFORM ZRO-1-1 VARYING L FROM 1 BY 1 UNTIL L > 2.
    ZRO-SUM-2.
        PERFORM ZRO-1-2 VARYING L FROM 1 BY 1 UNTIL L > 2.
    ZRO-1-1.
        PERFORM ZRO-2-1 VARYING I FROM 1 BY 1 UNTIL I > 15.
    ZRO-1-2.
        PERFORM ZRO-2-2 VARYING I FROM 1 BY 1 UNTIL I > 15.
    ZRO-2-1.
        MOVE ZERO TO STUFF-SUM-1 (L, I).
    ZRO-2-2.
        MOVE ZERO TO STUFF-SUM-2 (L, I).
    SETUP-HEAD.
        MOVE DATE-OF-REPORT TO HEAD-3-3.
        MOVE VOC-TEACH-2 (1) TO HEAD-4-6, OLD-INSTR-NAME.
        MOVE SCT-ATT-2 (1) TO OLD-CAMPUS-CD.
        PERFORM SCHOOL-NAME.
        MOVE VOC-CRS-2 (1) TO OLD-PRGM-CD, OLD-VOC-CRS-CD.
        PERFORM VOC-CRS-NAME.
        MOVE YEAR-OF-1ST-ENTRY TO HEAD-17-2, OLD-YR-F-U.
        MOVE O-E-COD-3 (1) TO OLD-O-E-CODE.
    WRITE-HEAD.
        WRITE REPORT-OUT FROM HEAD-1  AFTER POSITIONING 0 LINES.
        WRITE REPORT-OUT FROM HEAD-2  AFTER POSITIONING 2 LINES.
        WRITE REPORT-OUT FROM HEAD-3  AFTER POSITIONING 2 LINES.
        WRITE REPORT-OUT FROM HEAD-17 AFTER POSITIONING 2 LINES.
        WRITE REPORT-OUT FROM HEAD-4  AFTER POSITIONING 2 LINES.
        WRITE REPORT-OUT FROM HEADING-DEFINS-1 AFTER POSITIONING
          2 LINES.
        WRITE REPORT-OUT FROM HEADING-DEFINS-2 AFTER POSITIONING
          1 LINES.
        WRITE REPORT-OUT FROM HEADING-DEFINS-3 AFTER POSITIONING
          1 LINES.
        WRITE REPORT-OUT FROM HEADING-DEFINS-4 AFTER POSITIONING
          1 LINES.
        WRITE REPORT-OUT FROM HEADING-DEFINS-5 AFTER POSITIONING
          1 LINES.
        WRITE REPORT-OUT FROM HEADING-DEFINS-6 AFTER POSITIONING
          1 LINES.
        WRITE REPORT-OUT FROM HEADING-DEFINS-7 AFTER POSITIONING
          1 LINES.
        WRITE REPORT-OUT FROM HEADING-DEFINS-8 AFTER POSITIONING
          1 LINES.
        WRITE REPORT-OUT FROM HEAD-5  AFTER POSITIONING 2 LINES.
        WRITE REPORT-OUT FROM HEAD-6  AFTER POSITIONING 1 LINES.
        WRITE REPORT-OUT FROM HEAD-7  AFTER POSITIONING 2 LINES.
    DETAIL-SUM-LINES.
        MOVE OLD-O-E-CODE TO O-E-CODE-X.
        PERFORM SPEC-OCCUP-NAME.
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           MOVE O-E-COD-3 (1) TO OLD-O-E-CODE.
           MOVE STUFF-SUM-1 (1, 1)  TO CNT-XX-1.
           MOVE STUFF-SUM-1 (1, 2)  TO CNT-XX-2.
           MOVE STUFF-SUM-1 (1, 3)  TO CNT-XX-3.
           MOVE STUFF-SUM-1 (1, 4)  TO CNT-XX-4.
           MOVE STUFF-SUM-1 (1, 5)  TO CNT-XX-5.
           MOVE STUFF-SUM-1 (1, 6)  TO CNT-XX-6.
           MOVE STUFF-SUM-1 (1, 7)  TO CNT-XX-7.
           MOVE STUFF-SUM-1 (1, 8)  TO CNT-XX-8.
           MOVE STUFF-SUM-1 (1, 9)  TO CNT-XX-9.
           MOVE STUFF-SUM-1 (1, 10)  TO CNT-XX-10.
           MOVE STUFF-SUM-1 (1, 11)  TO CNT-XX-11.
           MOVE STUFF-SUM-1 (1, 12)  TO CNT-XX-12.
           MOVE STUFF-SUM-1 (1, 13)  TO CNT-XX-13.
           MOVE STUFF-SUM-1 (1, 14)  TO CNT-XX-14.
           MOVE STUFF-SUM-1 (1, 15) TO CNT-XX-15.
           MOVE STUFF-SUM-1 (2, 1) TO CNT-YY-1.
           MOVE STUFF-SUM-1 (2, 2) TO CNT-YY-2.
           MOVE STUFF-SUM-1 (2, 3) TO CNT-YY-3.
           MOVE STUFF-SUM-1 (2, 4) TO CNT-YY-4.
           MOVE STUFF-SUM-1 (2, 5) TO CNT-YY-5.
           MOVE STUFF-SUM-1 (2, 6) TO CNT-YY-6.
           MOVE STUFF-SUM-1 (2, 7) TO CNT-YY-7.
           MOVE STUFF-SUM-1 (2, 8) TO CNT-YY-8.
           MOVE STUFF-SUM-1 (2, 9) TO CNT-YY-9.
           MOVE STUFF-SUM-1 (2, 10) TO CNT-YY-10.
           MOVE STUFF-SUM-1 (2, 11) TO CNT-YY-11.
           MOVE STUFF-SUM-1 (2, 12) TO CNT-YY-12.
           MOVE STUFF-SUM-1 (2, 13) TO CNT-YY-13.
           MOVE STUFF-SUM-1 (2, 14) TO CNT-YY-14.
           MOVE STUFF-SUM-1 (2, 15) TO CNT-YY-15.
           WRITE REPORT-OUT FROM MALE-LINE AFTER POSITIONING 2 LINES.
           WRITE REPORT-OUT FROM GIRL-LINE AFTER POSITIONING 1 LINES.
       TOTAL-SUM-LINES.
           MOVE 'TOTAL' TO O-E-CODE-X.
           MOVE ' ' TO SPECIALITY.
           MOVE STUFF-SUM-2 (1, 1) TO CNT-XX-1.
           MOVE STUFF-SUM-2 (1, 2) TO CNT-XX-2.
           MOVE STUFF-SUM-2 (1, 3) TO CNT-XX-3.
           MOVE STUFF-SUM-2 (1, 4) TO CNT-XX-4.
           MOVE STUFF-SUM-2 (1, 5) TO CNT-XX-5.
           MOVE STUFF-SUM-2 (1, 6) TO CNT-XX-6.
           MOVE STUFF-SUM-2 (1, 7) TO CNT-XX-7.
           MOVE STUFF-SUM-2 (1, 8) TO CNT-XX-8.
           MOVE STUFF-SUM-2 (1, 9) TO CNT-XX-9.
           MOVE STUFF-SUM-2 (1, 10) TO CNT-XX-10.
           MOVE STUFF-SUM-2 (1, 11) TO CNT-XX-11.
           MOVE STUFF-SUM-2 (1, 12) TO CNT-XX-12.
           MOVE STUFF-SUM-2 (1, 13) TO CNT-XX-13.
           MOVE STUFF-SUM-2 (1, 14) TO CNT-XX-14.
           MOVE STUFF-SUM-2 (1, 15) TO CNT-XX-15.
           MOVE STUFF-SUM-2 (2, 1) TO CNT-YY-1.
           MOVE STUFF-SUM-2 (2, 2) TO CNT-YY-2.
           MOVE STUFF-SUM-2 (2, 3) TO CNT-YY-3.
           MOVE STUFF-SUM-2 (2, 4) TO CNT-YY-4.
           MOVE STUFF-SUM-2 (2, 5) TO CNT-YY-5.
           MOVE STUFF-SUM-2 (2, 6) TO CNT-YY-6.
```

```
           MOVE STUFF-SUM-2 (2, 7) TO CNT-YY-7.
           MOVE STUFF-SUM-2 (2, 8) TO CNT-YY-8.
           MOVE STUFF-SUM-2 (2, 9) TO CNT-YY-9.
           MOVE STUFF-SUM-2 (2, 10) TO CNT-YY-10.
           MOVE STUFF-SUM-2 (2, 11) TO CNT-YY-11.
           MOVE STUFF-SUM-2 (2, 12) TO CNT-YY-12.
           MOVE STUFF-SUM-2 (2, 13) TO CNT-YY-13.
           MOVE STUFF-SUM-2 (2, 14) TO CNT-YY-14.
           MOVE STUFF-SUM-2 (2, 15) TO CNT-YY-15.
           WRITE REPORT-OUT FROM MALE-LINE AFTER POSITIONING 2 LINES.
           WRITE REPORT-OUT FROM GIRL-LINE AFTER POSITIONING 1 LINES.
       SCHOOL-NAME SECTION.
           PERFORM CK-SCH-CODE VARYING L FROM 1 BY 1 UNTIL L > 18.
                                   MOVE 'UNCODED CAMPUS' TO HEAD-4-2.
           GO TO NAME-SECT-RTN.
       CK-SCH-CODE.
           IF OLD-CAMPUS-CD = CAMP-CODE (L) GO TO GOOD-NAME.
           MOVE I TO I.
       GOOD-NAME.
                         MOVE CAMP-NAME (L) TO HEAD-4-2.
       NAME-SECT-RTN.
           EXIT.
       SPEC-OCCUP-NAME SECTION.
           PERFORM TEST-CODES-EMPL VARYING N FROM 1 BY 1 UNTIL N > 323.
           MOVE 'UNCODED OCCUPATION' TO SPECIALITY.
           GO TO OCC-NAM-SECT-RTN.
       TEST-CODES-EMPL.
           IF OLD-O-E-CODE = CODE-EMPL (N) GO TO FOUND-EMPL.
           MOVE I TO I.
       FOUND-EMPL.
           MOVE ALPH-EMPL (N) TO SPECIALITY.
       OCC-NAM-SECT-RTN.
           EXIT.
       VOC-CRS-NAME SECTION.
           PERFORM CK-CRS-CODE VARYING L FROM 1 BY 1 UNTIL L > 18.
           MOVE OLD-VOC-CRS-CD    TO HEAD-4-4.
           GO TO CRS-SECT-RTN.
       CK-CRS-CODE.
           IF OLD-VOC-CRS-CD = PROG-CODE-X (L) GO TO GOOD-PROG.
           MOVE I TO I.
       GOOD-PROG.
           MOVE PROG-NAME-X (L) TO HEAD-4-4.
       CRS-SECT-RTN.
           EXIT.
       STOPPING-SECTION SECTION.
           DISPLAY ' STOPPING SECTION '.
```

```
*STATISTICS*     SOURCE RECORDS =  1069     DATA DIVISION STATEMENTS =   698    PROCEDURE DIVISION STATEMENTS =   251
*OPTIONS IN EFFECT*     SIZE =  102400  BUF =    7882  LINECNT = 57  SPACE1, FLAGW,   SEQ,   SOURCE
*OPTIONS IN EFFECT*     NODMAP, NOPMAP, NOCLIST,   SUPMAP, NOXREF,  LOAD, NODECK, APOST, NOTRUNC, NOLIB, NOVERB
*OPTIONS IN EFFECT*       ZWB
```

CARD	ERROR MESSAGE	
973	IKF5011I-W	AN INTERMEDIATE RESULT OR A SENDING FIELD MIGHT HAVE ITS HIGH ORDER DIGIT POSITION TRUNCATED.
974	IKF5011I-W	AN INTERMEDIATE RESULT OR A SENDING FIELD MIGHT HAVE ITS HIGH ORDER DIGIT POSITION TRUNCATED.
975	IKF5011I-W	AN INTERMEDIATE RESULT OR A SENDING FIELD MIGHT HAVE ITS HIGH ORDER DIGIT POSITION TRUNCATED.
976	IKF5011I-W	AN INTERMEDIATE RESULT OR A SENDING FIELD MIGHT HAVE ITS HIGH ORDER DIGIT POSITION TRUNCATED.
988	IKF5011I-W	AN INTERMEDIATE RESULT OR A SENDING FIELD MIGHT HAVE ITS HIGH ORDER DIGIT POSITION TRUNCATED.
989	IKF5011I-W	AN INTERMEDIATE RESULT OR A SENDING FIELD MIGHT HAVE ITS HIGH ORDER DIGIT POSITION TRUNCATED.
990	IKF5011I-W	AN INTERMEDIATE RESULT OR A SENDING FIELD MIGHT HAVE ITS HIGH ORDER DIGIT POSITION TRUNCATED.
991	IKF5011I-W	AN INTERMEDIATE RESULT OR A SENDING FIELD MIGHT HAVE ITS HIGH ORDER DIGIT POSITION TRUNCATED.
1008	IKF5011I-W	AN INTERMEDIATE RESULT OR A SENDING FIELD MIGHT HAVE ITS HIGH ORDER DIGIT POSITION TRUNCATED.
1009	IKF5011I-W	AN INTERMEDIATE RESULT OR A SENDING FIELD MIGHT HAVE ITS HIGH ORDER DIGIT POSITION TRUNCATED.
1010	IKF5011I-W	AN INTERMEDIATE RESULT OR A SENDING FIELD MIGHT HAVE ITS HIGH ORDER DIGIT POSITION TRUNCATED.
1011	IKF5011I-W	AN INTERMEDIATE RESULT OR A SENDING FIELD MIGHT HAVE ITS HIGH ORDER DIGIT POSITION TRUNCATED.
1023	IKF5011I-W	AN INTERMEDIATE RESULT OR A SENDING FIELD MIGHT HAVE ITS HIGH ORDER DIGIT POSITION TRUNCATED.
1024	IKF5011I-W	AN INTERMEDIATE RESULT OR A SENDING FIELD MIGHT HAVE ITS HIGH ORDER DIGIT POSITION TRUNCATED.
1025	IKF5011I-W	AN INTERMEDIATE RESULT OR A SENDING FIELD MIGHT HAVE ITS HIGH ORDER DIGIT POSITION TRUNCATED.
1026	IKF5011I-W	AN INTERMEDIATE RESULT OR A SENDING FIELD MIGHT HAVE ITS HIGH ORDER DIGIT POSITION TRUNCATED.

```
F88- LEVEL LINKAGE EDITOR OPTIONS SPECIFIED MAP,LIST
       DEFAULT OPTION(S) USED -  SIZE=(92160,20480)

                              MODULE MAP

  CONTROL SECTION                       ENTRY

    NAME    ORIGIN  LENGTH               NAME   LOCATION    NAME   LOCATION    NAME   LOCATION    NAME   LOCATION

  BRYANUP       00    66F8
  ILBODSP0*   66F8     6F8
  ILBOSRT0*   6DF0     3D4
  ILBOSTP0*   71C8      35
                                        ILBOSTP1    71DE
  SPIE     *  7200     564

ENTRY ADDRESS       00
TOTAL LENGTH      7768

****DETAIL    DOES NOT EXIST BUT HAS BEEN ADDED TO DATA SET
```

BRYAN PUBLIC SCHOOLS ROSTER PROGRAM

The purpose of this program is to generate rosters for the instructors. The rosters are alphabetic by program by instructor by campus. The rosters contain all of the information that we know about a particular student.

The data card for this program contains a 1 or 2 in Col. 1 and the date for the heading in Col. 2-9. The code in Col. 1 has the following meaning.

Code	Meaning
1	Active Student Roster
2	Follow-up Student Roster

The program reads the current master [illegible] card and depending upon the code sorts the active or follow-up students into the order mentioned above. The sorted records are read and formatted for the appropriate roster and printed.

COMPUTER PROGRAM FOR
PRINTING INSTRUCTORS' ROSTERS
FOR ACTIVE STUDENTS
AND FORMER STUDENTS

```
//JCRF5     JOB (00504,201-B,005,050,BH),'JCRF TEST BHS ROSTER'          JOB 109
***CLASS        D
***SETUP
***COPIES       2
// EXEC COBU
XXONESTEP EXEC PGM=ANSCOBOL,REGION=110K                                  00020000
***                                                                      00040000
***             JCL STATEMENTS FOR THE ANS COMPILER                      00060000
***                                                                      00080000
XXSYSUT1    DD UNIT=SYSDA,SPACE=(TRK,(100,20))                           00100000
XXSYSUT2    DD UNIT=SYSDA,SPACE=(TRK,(100,20))                           00120000
XXSYSUT3    DD UNIT=SYSDA,SPACE=(TRK,(100,20))                           00140000
XXSYSUT4    DD UNIT=SYSDA,SPACE=(TRK,(100,20))                           00160000
XXSYSPRT    DD SYSOUT=A                                                  00180000
XXSYSPUNCH  DD SYSOUT=B                                                  00200000
XXSYSLIN    DD UNIT=SYSDA,SPACE=(TRK,(100,20)),DISP=(MOD,DELETE),        00220000
XX             DCB=(BLKSIZE=2240,BUFNO=2),DSN=&&LOADSET                  00240000
***                                                                      00260000
***             JCL STATEMENTS FOR THE LOADER                            00280000
***                                                                      00300000
XX          DD DDNAME=OBJECT        HEX DECKS FOR LOADER                 00320000
XXSYSLIB    DD DSN=SYS1.COBLIB,DISP=SHR                                  00340000
XX          DD DSN=SYS1.DPCLIB,DISP=SHR*                                 00360000
XXSYSLOUT   DD SYSOUT=A                                                  00380000
***                                                                      00400000
***             DPC PROVIDED JCL STATEMENTS FOR USER PROGRAM             00420000
***                                                                      00440000
XXPRINTER   DD SYSOUT=A                                                  00460000
XXREADER    DD DDNAME=SYSIN                                              00480000
XXSYSOUT    DD SYSOUT=A                                                  00500000
XXPUNCH     DD SYSOUT=B                                                  00520000
***                                                                      00540000
***             JCL STATEMENTS PROVIDED BY USER                          00560000
***                                                                      00580000
//SOURCE DD *
//SORTLIB DD DSN=SYS1.SORTLIB,DISP=SHR
//SORTIN DD UNIT=SYSDA,SPACE=(CYL,10),DCB=(RECFM=FB,LRECL=356,           X
//             BLKSIZE=1780)
//SORTOUT DD UNIT=SYSDA,SPACE=(CYL,10),DCB=(RECFM=FB,LRECL=356,          X
//             BLKSIZE=1780)
//SORTWK01 DD UNIT=SYSDA,SPACE=(CYL,(10),,CONTIG)
//SORTWK02 DD UNIT=SYSDA,SPACE=(CYL,(10),,CONTIG)
//SORTWK03 DD UNIT=SYSDA,SPACE=(CYL,(10),,CONTIG)
//SORTWK04 DD UNIT=SYSDA,SPACE=(CYL,(10),,CONTIG)
//SORTWK05 DD UNIT=SYSDA,SPACE=(CYL,(10),,CONTIG)
//SORTWK06 DD UNIT=SYSDA,SPACE=(CYL,(10),,CONTIG)
//MASTIN  DD UNIT=TAPE9,DISP=(OLD,KEEP),DSN=BHSMST,LABEL=(,SL),          X
//             VOL=SER=006039,DCB=(RECFM=FB,LRECL=650,BLKSIZE=6500)
//PRINTER DD SYSOUT=A
//SYSOUT DD SYSOUT=A
//SYSIN DD *
//
IEF236I ALLOC. FOR JCRF52   ONESTEP
IEF237I 132   ALLOCATED TO SYSUT1
IEF237I 132   ALLOCATED TO SYSUT2
IEF237I 135   ALLOCATED TO SYSUT3
IEF237I 135   ALLOCATED TO SYSUT4
IEF237I 608   ALLOCATED TO SYSPRT
IEF237I 632   ALLOCATED TO SYSPUNCH
IEF237I 131   ALLOCATED TO SYSLIN
IEF237I 130   ALLOCATED TO SYSLIB
```

```
IEF237I  ?0   ALLOCATED TO
IEF237I 60C   ALLOCATED TO SYSLOUT
IEF237I 60C   ALLOCATED TO PRINTER
IEF237I 655   ALLOCATED TO READER
IEF237I 60E   ALLOCATED TO SYSOUT
IEF237I 633   ALLOCATED TO PUNCH
IEF237I 653   ALLOCATED TO SOURCE
IEF237I 130   ALLOCATED TO SORTLIB
IEF237I 132   ALLOCATED TO SORTIN
IEF237I 135   ALLOCATED TO SORTOUT
IEF237I 171   ALLOCATED TO SORTWK01
IEF237I 171   ALLOCATED TO SORTWK02
IEF237I 131   ALLOCATED TO SORTWK03
IEF237I 132   ALLOCATED TO SORTWK04
IEF237I 135   ALLOCATED TO SORTWK05
IEF237I 171   ALLOCATED TO SORTWK06
IEF237I 285   ALLOCATED TO MASTIN
IEF237I 60F   ALLOCATED TO PRINTER
IEF237I 610   ALLOCATED TO SYSOUT
IEF285I   SYS73051.T172412.RV000.JCRF52.R0000001        DELETED
IEF285I   VOL SER NOS= 666666.
IEF285I   SYS73051.T172412.RV000.JCRF52.R0000002        DELETED
IEF285I   VOL SER NOS= 666666.
IEF285I   SYS73051.T172412.RV000.JCRF52.R0000003        DELETED
IEF285I   VOL SER NOS= 888888.
IEF285I   SYS73051.T172412.RV000.JCRF52.R0000004        DELETED
IEF285I   VOL SER NOS= 888888.
IEF285I   SYS73051.T172412.RV000.JCRF52.R0000005        DELETED
IEF285I   VOL SER NOS=       .
IEF285I   SYS73051.T172412.RV000.JCRF52.R0000006        DELETED
IEF285I   VOL SER NOS=       .
IEF285I   SYS73051.T172412.RV000.JCRF52.LOADSET         DELETED
IEF285I   VOL SER NOS= 555555.
IEF285I   SYS1.COBLIB                                   KEPT
IEF285I   VOL SER NOS= SYSRES.
IEF285I   SYS1.DPCLIB                                   KEPT
IEF285I   VOL SER NOS= 444444.
IEF285I   SYS73051.T172412.RV000.JCRF52.R0000007        DELETED
IEF285I   VOL SER NOS=       .
IEF285I   SYS73051.T172412.RV000.JCRF52.R0000008        DELETED
IEF285I   VOL SER NOS=       .
IEF285I   SYS73051.T172412.RV000.JCRF52.R0000022        DELETED
IEF285I   VOL SER NOS=       .
IEF285I   SYS73051.T172412.RV000.JCRF52.R0000011        DELETED
IEF285I   VOL SER NOS=       .
IEF285I   SYS1.SORTLIB                                  KEPT
IEF285I   VOL SER NOS= SYSRES.
IEF285I   SYS73051.T172412.RV000.JCRF52.R0000012        DELETED
IEF285I   VOL SER NOS= 666666.
IEF285I   SYS73051.T172412.RV000.JCRF52.R0000013        DELETED
IEF285I   VOL SER NOS= 888888.
IEF285I   SYS73051.T172412.RV000.JCRF52.R0000014        DELETED
IEF285I   VOL SER NOS= DUBL05.
IEF285I   SYS73051.T172412.RV000.JCRF52.R0000015        DELETED
IEF285I   VOL SER NOS= DUBL05.
IEF285I   SYS73051.T172412.RV000.JCRF52.R0000016        DELETED
IEF285I   VOL SER NOS= 555555.
IEF285I   SYS73051.T172412.RV000.JCRF52.R0000017        DELETED
IEF285I   VOL SER NOS= 666666.
IEF285I   SYS73051.T172412.RV000.JCRF52.R0000018        DELETED
IEF285I   VOL SER NOS= 888888.
```

```
IEF285I   SYS73051.T172412.RV000.JCRF52.R0000019        DELETED
IEF285I   VOL SER NOS= DUBLOS.
IEF285I   BHSMST                                        KEPT
IEF285I   VOL SER NOS= 006039.
IEF280E K 285,006039,JCRF52,ONESTEP,BHSMST
TAM001I STEP /ONESTEP/ MAXIMUM CORE USED = 108K, EXECUTE TIME = 0.67
```

```
       IDENTIFICATION DIVISION.
       PROGRAM-ID. 'BRYANUP'.
       AUTHOR. JCRF.
       DATE-WRITTEN. MARCH 1972.
       INSTALLATION. TEXAS A & M UNIVERSITY.
       ENVIRONMENT DIVISION.
       CONFIGURATION SECTION.
       SOURCE-COMPUTER. IBM-360-I65.
       OBJECT-COMPUTER. IBM-360-I65.
       INPUT-OUTPUT SECTION.
       FILE-CONTROL.
           SELECT INPUT-CARDS ASSIGN TO UT-S-READER.
           SELECT PRINT-OUTS  ASSIGN TO UT-S-PRINTER.
           SELECT PRESORT-FILE ASSIGN TO UT-2314-S-SORTIN.
           SELECT POSTSRT-FILE ASSIGN TO UT-2314-S-SORTOUT.
           SELECT MAST-IN      ASSIGN TO UT-2400-S-MASTIN.
           SELECT SORT-DISC    ASSIGN TO UT-2314-S-SORTIN.
       DATA DIVISION.
       FILE SECTION.
       FD  INPUT-CARDS RECORDING MODE IS F LABEL RECORDS ARE OMITTED
           DATA RECORD IS INPUT-RECORD.
       01  INPUT-RECORD.
           02  IN-X-TEST PICTURE X OCCURS 80 TIMES.
       FD  PRINT-OUTS RECORDING MODE F LABEL RECORDS ARE OMITTED
                       DATA RECORD IS PRINT-RECORD, REPORT-OUT.
       01  PRINT-RECORD PICTURE X(132).
       01  REPORT-OUT PICTURE X(132).
       FD  PRESORT-FILE RECORDING MODE F LABEL RECORDS ARE STANDARD
             BLOCK CONTAINS 0 RECORDS RECORD CONTAINS 356 CHARACTERS
             DATA RECORD IS SORTIN-RECORD.
       01  SORTIN-RECORD PICTURE X(356).
       FD  POSTSRT-FILE RECORDING MODE F LABEL RECORDS ARE STANDARD
             BLOCK CONTAINS 0 RECORDS RECORD CONTAINS 356 CHARACTERS
             DATA RECORD IS SORTOUT-RECORD.
       01  SORTOUT-RECORD PICTURE X(356).
       SD  SORT-DISC RECORDING MODE F RECORD CONTAINS 356 CHARACTERS
             DATA RECORD IS SORT-FIELDS, SORT-2-FIELDS.
       01  SORT-FIELDS.
           02  FIELD-1 PICTURE X(11).
           02  STUDENT-NAME PICTURE X(23).
           02  FIELD-2 PICTURE X(253).
           02  VOC-COURSE PICTURE X(4).
           02  FIELD-3 PICTURE X(11).
           02  CAMPUS  PICTURE X(3).
           02  FIELD-4 PICTURE X(2).
           02  INSTRUCTOR PICTURE X(17).
           02  FIELD-5 PICTURE X(32).
       01  SORT-2-FIELDS.
           02  FIELD-X-5       PICTURE X(11).
           02  STUDENT-NAME-2  PICTURE X(23).
           02  FIELD-X-1       PICTURE X(76).
           02  YEAR-FOLL-UP    PICTURE X(2).
           02  FIELD-X-2       PICTURE X(175).
           02  FIELD-X-3       PICTURE X(15).
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           02  CAMPUS-2         PICTURE X(3).
           02  FIELD-X-4        PICTURE X(2).
           02  INSTRUCTOR-2     PICTURE X(17).
           02  FIELD-X-5        PICTURE X(32).
       FD  MAST-IN RECORDING MODE F LABEL RECORDS ARE STANDARD
             BLOCK CONTAINS 0 RECORDS RECORD CONTAINS 650 CHARACTERS
             DATA RECORD IS MAST-IN-REC.
       01  MAST-IN-REC PICTURE X(650).
       WORKING-STORAGE SECTION.
       77  FIND-W-S  PICTURE X(60) VALUE 'BRYAN H S WORKING STORAGE '.
       77  NO-READ      PICTURE  9(6) VALUE ZERO.
       77  NO-WRITTEN   PICTURE  9(6) VALUE ZERO.
       77  NO-CHANGES   PICTURE  9(6) VALUE ZERO.
       77  NO-ADDS      PICTURE  9(6) VALUE ZERO.
       77  I            PICTURE  S99 COMPUTATIONAL VALUE ZERO.
       77  J            PICTURE  S99 COMPUTATIONAL VALUE ZERO.
       77  K            PICTURE  S99 COMPUTATIONAL VALUE ZERO.
       77  L            PICTURE  S99 COMPUTATIONAL VALUE ZERO.
       77  M            PICTURE  S99 COMPUTATIONAL VALUE ZERO.
       77  N            PICTURE  S99 COMPUTATIONAL VALUE ZERO.
       77  CHNG-EOF-FLG PICTURE 9 VALUE 0.
       01  OLD-YR-F-U PICTURE XX VALUE ' '.
       01  OLD-CAMPUS-CODE PICTURE XXX VALUE ' '.
       01  CHANGE-CARDS.
           02  ID-NO-1                   PICTURE X(9).
           02  ID-NO-2 REDEFINES ID-NO-1 PICTURE X OCCURS 9 TIMES.
           02  CARD-TYPE-1.
               03  CARD-CODE-1           PICTURE X.
               03  CRD-CD-X REDEFINES CARD-CODE-1 PICTURE 9.
               03  CARD-CHNG-1           PICTURE X(69).
               03  COL-80-1              PICTURE X.
           02  CARD-TYPE-2 REDEFINES CARD-TYPE-1.
               03  CARD-CODE-2           PICTURE X.
               03  UPDATE-CODE-3                             PICTURE 99.
               03  UPDATE-CODE-5 REDEFINES UPDATE-CODE-3.
                   04  UPDATE-CODE-1 PICTURE X OCCURS 2 TIMES.
               03  FIELD-VAL             PICTURE X(62).
               03  DATE-OF-UPDATE        PICTURE X(6).
               03  DAT-OF-UP REDEFINES DATE-OF-UPDATE PICTURE X
                             OCCURS 6 TIMES.
       01  STUDENT-RECORD.
           02  DELETE-CODE               PICTURE X.
           02  ID-NO-3                   PICTURE X(9).
           02  TYPE-CODE-1               PICTURE X.
           02  RECORD-TYPE-1.
               03  RECORD-BLOCK PICTURE X(69) OCCURS 9 TIMES.
           02  RECORD-TYPE-2 REDEFINES RECORD-TYPE-1.
               03  L-NAME-1              PICTURE X(12).
               03  F-NAME-1              PICTURE X(10).
               03  M-I-1                 PICTURE X(01).
               03  EMPL-1                PICTURE X(01).
               03  OCC-1                 PICTURE X(15).
               03  O-E-CODE-1            PICTURE X(07).
               03  JOB-TITLE-1           PICTURE X(13).
               03  HRS-DAY-1             PICTURE X(04).
               03  SALARY-1              PICTURE X(04).
               03  SEX-1                 PICTURE X(01).
```

```
                03  RACE-1              PICTURE X(01).
                03  S-ADD-1             PICTURE X(21).
                03  S-CIT-1             PICTURE X(11).
                03  S-STA-1             PICTURE X(05).
                03  S-ZIP-1             PICTURE X(05).
                03  S-ARC-1             PICTURE X(03).
                03  S-PHN-1             PICTURE X(07).
                03  BIRTH-DATE-1        PICTURE X(06).
                03  DATE-REC-1          PICTURE X(06).
                03  CRS-CNT-1           PICTURE 9(02).
                03  FILLER              PICTURE X(03).
                03  P-ADD-1             PICTURE X(21).
                03  P-CIT-1             PICTURE X(11).
                03  P-STA-1             PICTURE X(05).
                03  P-ZIP-1             PICTURE X(05).
                03  P-ARC-1             PICTURE X(03).
                03  P-PHN-1             PICTURE X(07).
                03  REMARK-1            PICTURE X(17).
                03  E-ADD-1             PICTURE X(21).
                03  E-CIT-1             PICTURE X(11).
                03  E-STA-1             PICTURE X(05).
                03  E-ZIP-1             PICTURE X(05).
                03  E-ARC-1             PICTURE X(03).
                03  E-PHN-1             PICTURE X(07).
                03  E-NAM-1             PICTURE X(17).
                03  CRS-RECORDS OCCURS 5 TIMES.
                    04  VOC-CRS-1       PICTURE X(04).
                    04  O-E-COD-2       PICTURE X(07).
                    04  HRS-CRS-1       PICTURE X(04).
                    04  SCH-ATT-1       PICTURE X(03).
                    04  GRADE-1         PICTURE X(02).
                    04  VOC-TEACH-1     PICTURE X(17).
                    04  DATE-ENT-1      PICTURE X(04).
                    04  DATE-EXIT-1     PICTURE X(04).
                    04  REASON-EXIT-1   PICTURE X(04).
                    04  REMARK-2        PICTURE X(20).
            02  RECORD-TYPE-3 REDEFINES RECORD-TYPE-1.
                03  L-NAME-2            PICTURE X(12).
                03  F-NAME-2            PICTURE X(10).
                03  M-I-2               PICTURE X(01).
                03  EMPL-2              PICTURE X(01).
                03  OCC-2               PICTURE X(15).
                03  O-E-CODE-2          PICTURE X(07).
                03  JOB-TITLE-2         PICTURE X(17).
                03  HRS-DAY-2           PICTURE X(05).
                03  SALARY-2            PICTURE X(04).
                03  SEX-2               PICTURE X(01).
                03  RACE-2              PICTURE X(01).
                03  L-NAME-3            PICTURE X(12).
                03  F-NAME-3            PICTURE X(10).
                03  M-I-3               PICTURE X(01).
                03  SALARY-3            PICTURE X(04).
                03  NO-OF-EMPL-2        PICTURE X(03).
                03  YEAR-OF-1ST-ENTRY   PICTURE X(02).
                03  REMARK-3            PICTURE X(35).
                03  CRS-CNT-2           PICTURE 9(02).
                03  S-ADD-2             PICTURE X(21).
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                 03  S-CIT-2            PICTURE X(11).
                 03  S-STA-2            PICTURE X(05).
                 03  S-ZIP-2            PICTURE X(05).
                 03  S-ARC-2            PICTURE X(03).
                 03  S-PHN-2            PICTURE X(07).
                 03  BIRTH-DATE-2       PICTURE X(06).
                 03  DATE-REC-2         PICTURE X(06).
                 03  STEP-ENCR-2        PICTURE X(01).
                 03  FILLER             PICTURE X(04).
                 03  E-ADD-2            PICTURE X(21).
                 03  E-CIT-2            PICTURE X(11).
                 03  E-STA-2            PICTURE X(05).
                 03  E-ZIP-2            PICTURE X(05).
                 03  E-ARC-2            PICTURE X(03).
                 03  E-PHN-2            PICTURE X(07).
                 03  E-NAM-2            PICTURE X(17).
                 03  CRS-RECORDS-2 OCCURS 5 TIMES.
                     04  VOC-CRS-2      PICTURE X(04).
                     04  C-E-COD-3      PICTURE X(07).
                     04  HRS-CRS-2      PICTURE X(04).
                     04  SCT-ATT-2      PICTURE X(03).
                     04  GRADE-2        PICTURE X(02).
                     04  VOC-TEACH-2    PICTURE X(17).
                     04  DATE-EXIT-2    PICTURE X(04).
                     04  REASON-EXIT-2  PICTURE X(04).
                     04  VOC-Y-N-2      PICTURE X(01).
                     04  HRS-COMPL-2    PICTURE X(04).
                     04  PER-CEN-COM-2  PICTURE X(03).
                     04  POST-EXIT-ACT-2 PICTURE X(04).
                     04  DATE-ENT-2     PICTURE X(04).
                     04  EXIT-2         PICTURE X(04).
                     04  COMPL-2-Y-N PICTURE X.
                     04  FILLER         PICTURE X(03).
        01  REPORT-TYPE-FLAGS.
            02  TYPE-OF-REPORT PICTURE 9.
            02  DATE-OF-REPORT PICTURE X(8).
        01  TEMP-SAVE PICTURE X(650).
        01  REDEF-FIELDS.
            02  REDEF-1 PICTURE XX.
            02  REDEF-2 REDEFINES REDEF-1 PICTURE 99.
            02  REDEF-3 REDEFINES REDEF-1 PICTURE X OCCURS 2 TIMES.
        01  NAME-FIELDS.
            02  L-N-X.
                03  L-N-Y PICTURE X OCCURS 13 TIMES.
            02  F-N-X.
                03  F-N-X PICTURE X OCCURS 11 TIMES.
        01  ERROR-FLAG PICTURE 9 VALUE ZERO.
        01  HEADING-1.
            02  HXAD-XX PICTURE X(46) VALUE '1'.
            02  HEAD-XY PICTURE X(40) VALUE
                'B R Y A N   P U B L I C   S C H O O L S'.
        01  HEADING-2.
            02  HEAD-PP PICTURE X(46) VALUE '0'.
            02  HEAD-PY PICTURE X(40) VALUE
                'V O C A T I O N A L   E D U C A T I O N'.
        01  HEADING-3.
            02  HEAD-QQ PICTURE X(46) VALUE '0'.
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       02  HEAD-QY PICTURE X(44) VALUE
           'A C T I V E  S T U D E N T  R O S T E R'.
   01  HEADING-4.
       02  HEAD-AA PICTURE X(17) VALUE '0   INSTRUCTOR : '.
       02  HEAD-AB PICTURE X(20) VALUE ' '.
       02  HEAD-AC PICTURE X(9)  VALUE 'CAMPUS : '.
       02  HEAD-AD PICTURE X(19) VALUE ' '.
       02  HEAD-AE PICTURE X(14) VALUE 'VCC. COURSE : '.
       02  HEAD-AF PICTURE X(40) VALUE ' '.
       02  HEAD-AG PICTURE X(05) VALUE 'DATE:'.
       02  HEAD-AH PICTURE X(08) VALUE ' '.
   01  HEAD-5.
       02  HEAD-BA PICTURE X(25) VALUE '0       STUDENT    STUDENT'.
       02  HEAD-BB PICTURE X(25) VALUE '                 SCHOOL DA'.
       02  HEAD-BC PICTURE X(25) VALUE 'TE OF SEX  ADDRESS:       '.
       02  HEAD-BD PICTURE X(25) VALUE '                          '.
       02  HEAD-BE PICTURE X(25) VALUE '     PHONE       USOE   HO'.
       02  HEAD-BF PICTURE X(25) VALUE 'URS IN                    '.
   01  HEAD-6.
       02  HEAD-CA PICTURE X(25) VALUE '        ID  NO.    NAME   '.
       02  HEAD-CB PICTURE X(25) VALUE '                 GRADE  BI'.
       02  HEAD-CC PICTURE X(25) VALUE 'RTH     RACE STREET   CITY'.
       02  HEAD-CD PICTURE X(25) VALUE '  STATE  ZIP CODE         '.
       02  HEAD-CE PICTURE X(25) VALUE '       NUMBER     CODE   CO'.
       02  HEAD-CF PICTURE X(25) VALUE 'URSE                      '.
   01  HEAD-7.
       02  HEAD-DA PICTURE X(25) VALUE '0                 EMPLOYER'.
       02  HEAD-DB PICTURE X(25) VALUE '                 OCCUPATIO'.
       02  HEAD-DC PICTURE X(25) VALUE 'N OR       ADDRESS OF EMP'.
       02  HEAD-DD PICTURE X(25) VALUE 'LOYER                     '.
       02  HEAD-DE PICTURE X(25) VALUE '     PHONE       USOE   HP'.
       02  HEAD-DF PICTURE X(25) VALUE 'S SALRY                   '.
   01  HEAD-8.
       02  HEAD-EA PICTURE X(25) VALUE '                  NAME    '.
       02  HEAD-EB PICTURE X(25) VALUE '                 JOB TITLE'.
       02  HEAD-EC PICTURE X(25) VALUE '                          '.
       02  HEAD-ED PICTURE X(25) VALUE '                          '.
       02  HEAD-EE PICTURE X(25) VALUE '     NUMBER     CODE    EM'.
       02  HEAD-EF PICTURE X(25) VALUE 'P. HR.                    '.
   01  HEAD-9.
       02  HEAD-FA PICTURE X(25) VALUE '0                 DATE OF'.
       02  HEAD-FB PICTURE X(25) VALUE '  ADDRESS OF PARENT OR G'.
       02  HEAD-FC PICTURE X(25) VALUE 'UARDIAN                 PH'.
       02  HEAD-FD PICTURE X(25) VALUE 'ONE   REMARKS             '.
       02  HEAD-FE PICTURE X(25) VALUE '                          '.
       02  HEAD-FF PICTURE X(25) VALUE '                          '.
   01  HEAD-10.
       02  HEAD-GA PICTURE X(25) VALUE '                 INFO    '.
       02  HEAD-GB PICTURE X(25) VALUE '      (IF DIFFERENT FRO'.
       02  HEAD-GC PICTURE X(25) VALUE 'M STUDENT               NU'.
       02  HEAD-GD PICTURE X(25) VALUE 'MBER                      '.
       02  HEAD-GE PICTURE X(25) VALUE '                          '.
       02  HEAD-GF PICTURE X(25) VALUE '                          '.
   01  ROSTER-LINE-1.
       02  C-C-7          PICTURE X(06).
       02  ID-NO-7        PICTURE X(12).
       02  NAME-7         PICTURE X(24).
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           02  GRADE-7        PICTURE X(06).
           02  BIRTH-DATE-7   PICTURE X(08).
           02  SEX-7          PICTURE X(02).
           02  RACE-7         PICTURE X(03).
           02  ADDRESS-7      PICTURE X(44).
           02  PHONE-NO-7     PICTURE X(09).
           02  USCE-CODE-7    PICTURE X(09).
           02  HRS-IN-CRS-7   PICTURE X(04).
       01  ROSTER-LINE-2.
           02  C-C-8          PICTURE X(19).
           02  EMPLOYER-7     PICTURE X(23).
           02  JOB-TITLE-7    PICTURE X(20).
           02  EMPL-ADDR-7    PICTURE X(43).
           02  EMPL-PHONE-7   PICTURE X(09).
           02  JOB-USOE-7     PICTURE X(08).
           02  HRS-EMPL-7     PICTURE X(05).
           02  FILLER PICTURE X VALUE ' '.
           02  SALARY-7       PICTURE X(04).
       01  ROSTER-LINE-3.
           02  C-C-9          PICTURE X(19).
           02  DATE-RECORD-7  PICTURE X(11).
           02  GUARD-ADD-7    PICTURE X(42).
           02  GUARD-PHONE-7  PICTURE X(09).
           02  REMARKS-X-7    PICTURE X(50).
       01  OLD-CAMPUS-CD      PICTURE X(03) VALUE ' '.
       01  OLD-VOC-CRS-CD     PICTURE X(04) VALUE ' '.
       01  OLD-INSTR-NAME     PICTURE X(17) VALUE ' '.
       01  SQUEEZ-FIELDS.
           02  SQ-FIELD-A     PICTURE X(21).
           02  SQ-FIELD-1 REDEFINES SQ-FIELD-A.
               03  SQ-ZONE-I PICTURE X OCCURS 21  TIMES.
           02  SQ-FIELD-B     PICTURE X(21).
           02  SQ-FIELD-2 REDEFINES SQ-FIELD-B.
               03  SQ-ZONE-J PICTURE X OCCURS 21  TIMES.
           02  SQ-FIELD-C     PICTURE X(21).
           02  SQ-FIELD-3 REDEFINES SQ-FIELD-C.
               03  SQ-ZONE-K PICTURE X OCCURS 21  TIMES.
           02  SQ-FIELD-D     PICTURE X(21).
           02  SQ-FIELD-4 REDEFINES SQ-FIELD-D.
               03  SQ-ZONE-L PICTURE X OCCURS 21  TIMES.
       01  LINE-COUNT PICTURE 99 VALUE 13.
       01  CAMPUS-LIST.
           02  C-LIST-1  PICTURE X(50) VALUE
               '000EDUCATIONAL SERVICE CENTER     '.
           02  C-LIST-2  PICTURE X(50) VALUE
               '002STEPHAN F AUSTIN               '.
           02  C-LIST-3  PICTURE X(50) VALUE
               '001BRYAN HIGH                     '.
           02  C-LIST-4  PICTURE X(50) VALUE
               '041ANSON JONES                    '.
           02  C-LIST-5  PICTURE X(50) VALUE
               '042LAMAR                          '.
           02  C-LIST-6  PICTURE X(50) VALUE
               '111NEAL                           '.
           02  C-LIST-7  PICTURE X(50) VALUE
               '101BONHAM                         '.
           02  C-LIST-8  PICTURE X(50) VALUE
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                  '102BOWIE                            '.
           02  C-LIST-9  PICTURE X(50) VALUE
                  '103CARVER-KEMP                      '.
           02  C-LIST-10 PICTURE X(50) VALUE
                  '104CRUCKETT                         '.
           02  C-LIST-11 PICTURE X(50) VALUE
                  '105FANNIN                           '.
           02  C-LIST-12 PICTURE X(50) VALUE
                  '106MILAM                            '.
           02  C-LIST-13 PICTURE X(50) VALUE
                  '107ROSS                             '.
           02  C-LIST-14 PICTURE X(50) VALUE
                  '108TRAVIS                           '.
           02  C-LIST-15 PICTURE X(50) VALUE
                  '109WASHINGTON CAMPUS                '.
           02  C-LIST-16 PICTURE X(50) VALUE
                  '110HENDERSON                        '.
           02  C-LIST-17 PICTURE X(50) VALUE
                  '200LIBRARY PROCESSING CENTER        '.
           02  C-LIST-18 PICTURE X(50) VALUE
                  '201WAREHOUSE                        '.
       01  CAMPUS-LIST-2 REDEFINES CAMPUS-LIST.
           02  C-LST-X OCCURS 18 TIMES.
               03  CAMP-CODE PICTURE XXX.
               03  CAMP-NAME PICTURE X(47).
       01  VOC-PROGRAM.
           02  VOC-PROG-1   PICTURE X(50) VALUE
                  'CCAGCOOPERATIVE AGRICULTURE                     '.
           02  VOC-PROG-2   PICTURE X(50) VALUE
                  'VCAGVOCATIONAL AGRICULTURE                      '.
           02  VOC-PROG-3   PICTURE X(50) VALUE
                  'AMECAUTO MECHANICS                              '.
           02  VOC-PROG-4   PICTURE X(50) VALUE
                  'BLTDBUILDING TRADES                             '.
           02  VOC-PROG-5   PICTURE X(50) VALUE
                  'CSMGCOSMETOLOGY                                 '.
           02  VOC-PROG-6   PICTURE X(50) VALUE
                  'CVAECOORDINATED VOC. ACAD. TRAINING             '.
           02  VOC-PROG-7   PICTURE X(50) VALUE
                  'DETRDISTRIBUTED EDUC. TRAINING                  '.
           02  VOC-PROG-8   PICTURE X(50) VALUE
                  'DPTRDATA PROCESSING TRAINING                    '.
           02  VOC-PROG-9   PICTURE X(50) VALUE
                  'ICTRINDUSTRIAL COOPERATIVE TRAINING             '.
           02  VOC-PROG-10  PICTURE X(50) VALUE
                  'HECEHOME ECONOMIC COOP. EDUC.                   '.
           02  VOC-PROG-11  PICTURE X(50) VALUE
                  'HOCTHEALTH OCCUPATIONS COOP. TRAINING           '.
           02  VOC-PROG-12  PICTURE X(50) VALUE
                  'PELBPRE EMPLOYMENT LAB                          '.
           02  VOC-PROG-13  PICTURE X(50) VALUE
                  'HMKTHOME MAKING TRAINING                        '.
           02  VOC-PROG-14  PICTURE X(50) VALUE
                  'VONRVOCATIONAL NURSE TRAINING                   '.
           02  VOC-PROG-15  PICTURE X(50) VALUE
                  'VOEDVOCATIONAL OFFICE EDUCATION                 '.
           02  VOC-PROG-16  PICTURE X(50) VALUE
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            'BVAEBUILDING TRADES ACAD. EDUC.                    '.
        02  VOC-PROG-17  PICTURE X(50) VALUE
            'HVAEHORTICULTURE ACAD. EDUC.                       '.
        02  VOC-PROG-18  PICTURE X(50) VALUE
            'DVAEOFFICE DUPLICATION ACAD. EDUC.                 '.
    01  VOC-PROGRAM-1 REDEFINES VOC-PROGRAM.
        02  PROG-LIST OCCURS 18 TIMES.
            03  PROG-CODE-X PICTURE XXXX.
            03  PROG-NAME-X PICTURE X(46).
    01  HEAD-X-10.
        02  HEAD-XXX PICTURE X(18) VALUE '0      INSTRUCTOR: '.
        02  HEAD-XX  PICTURE X(23) VALUE ' '.
        02  HEAD-XXZ PICTURE X(08) VALUE ' CAMPUS:'.
        02  HEAD-YZ  PICTURE X(18) VALUE ' '.
        02  HEAD-XXY PICTURE X(20) VALUE ' YEAR IN FOLLOW-UP: '.
        02  HEAD-YY  PICTURE XX    VALUE ' '.
        02  HEAD-XXP PICTURE X(19) VALUE '  DATE OF RECORD: '.
        02  HEAD-ZZ  PICTURE X(8)  VALUE ' '.
    01  HEAD-X-1.
        02  HEAD-Y-11  PICTURE X(50) VALUE
          '1                                                 R R Y'.
        02  HEAD-Y-12  PICTURE X(50) VALUE
          ' A N  P U B L I C  S C H O O L S                      '.
        02  HEAD-Y-13  PICTURE X(50) VALUE
          '                                                       '.
    01  HEAD-X-2.
        02  HEAD-Y-21  PICTURE X(50) VALUE
          '0                                    F O R M E R  S'.
        02  HEAD-Y-22  PICTURE X(50) VALUF
           'T U D E N T  F O L L O W - U P  D A T A           '.
        02  HEAD-Y-23  PICTURE X(50) VALUE
          '                                                       '.
    01  HEAD-X-3.
        02  HEAD-Y-31  PICTURE X(49) VALUE
          '0     STUDENT     STUDENT              DATE OF SE'.
        02  HEAD-Y-32  PICTURE X(49) VALUE
          'X     CURRENT ADDRESS                             TE'.
        02  HEAD-Y-33  PICTURE X(50) VALUE
          'LEPHONE  VOC. ED. USOE     AMT.                   '.
    01  HEAD-X-4.
        02  HEAD-Y-41  PICTURE X(50) VALUE
          '       ID NO.      NAME                BIRTH      '.
        02  HEAD-Y-42  PICTURE X(49) VALUF
          'RACE STREET  CITY  STATE  ZIP CODE            NU'.
        02  HEAD-Y-43  PICTURE X(50) VALUE
          'M3ER      COURSE   CODE       COMP.               '.
    01  HEAD-X-5.
        02  HEAD-Y-51  PICTURE X(50) VALUE
          '0              EMPLOYER                OCCUPATION'.
        02  HEAD-Y-52  PICTURE X(50) VALUE
          ' OR        ADDRESS OF                             '.
        02  HEAD-Y-53  PICTURE X(50) VALUE
          '   TELEPHONE USOE      HRS SALARY                 '.
    01  HEAD-X-6.
        02  HEAD-Y-61  PICTURE X(50) VALUE
          '                 NAME                  JOB TITLE '.
        02  HEAD-Y-62  PICTURE X(50) VALUE
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           '              EMPLOYER                                   '.
           02  HEAD-Y-63  PICTURE X(50) VALUE
           '    NUMBER     CODE      EMP PER MO.                     '.
       01  HEAD-X-7.
           02  HEAD-Y-71  PICTURE X(50) VALUE
           '0                 DATE OF    PRESENT                     '.
           02  HEAD-Y-72  PICTURE X(50) VALUE
           'REASON  POST      NO EMP. STEP  REMARKS                  '.
           02  HEAD-Y-73  PICTURE X(50) VALUE
           '                                                         '.
       01  HEAD-X-8.
           02  HEAD-Y-81  PICTURE X(50) VALUE
           '                  INFO      NAME                         '.
           02  HEAD-Y-82  PICTURE X(50) VALUE
           'EXITED  EXIT ACTY SUPER. INC                             '.
           02  HEAD-Y-83  PICTURE X(50) VALUE
           '                                                         '.
       01  F-STUD-LINE-1.
           02  F-C-C-1 PICTURE X(05) VALUE '0 '.
           02  F-S-LN-X-1  PICTURE X(12).
           02  F-S-LN-X-2  PICTURE X(24).
           02  F-S-LN-X-3  PICTURE X(09).
           02  F-S-LN-X-4  PICTURE X(03).
           02  F-S-LN-X-5  PICTURE X(03).
           02  F-S-LN-X-6  PICTURE X(44).
           02  F-S-LN-X-7  PICTURE X(09).
           02  F-S-LN-X-8  PICTURE X(09).
           02  F-S-LN-X-9  PICTURE X(09).
           02  F-S-LN-X-10 PICTURE X(04).
       01  F-STUD-LINE-2.
           02  F-C-C-2 PICTURE X(16) VALUE '  '.
           02  F-S-LN-X-11 PICTURE X(24).
           02  F-S-LN-X-12 PICTURE X(20).
           02  F-S-LN-X-13 PICTURE X(45).
           02  F-S-LN-X-14 PICTURE X(09).
           02  F-S-LN-X-15 PICTURE X(09).
           02  F-S-LN-X-16 PICTURE X(04).
           02  F-S-LN-X-17 PICTURE X(04).
       01  F-STUD-LINE-3.
           02  F-C-C-3 PICTURE X(16) VALUE '  '.
           02  F-S-LN-X-18 PICTURE X(10).
           02  F-S-LN-X-19 PICTURE X(24).
           02  F-S-LN-X-20 PICTURE X(05).
           02  F-S-LN-X-26 PICTURE X(01).
           02  FILLER PICTURE XX VALUE ' '.
           02  F-S-LN-X-21 PICTURE X(05).
           02  F-S-LN-X-28 PICTURE X(04).
           02  F-S-LN-X-22 PICTURE X(08).
           02  F-S-LN-X-23 PICTURE X(06).
           02  F-S-LN-X-24 PICTURE X(50).
       PROCEDURE DIVISION.
       START-PROGRAM.
           CALL 'SPIE'.
           OPEN INPUT INPUT-CARDS.
           READ INPUT-CARDS INTO REPORT-TYPE-FLAGS AT END DISPLAY
               ' NO CONTROL CARD ', STOP RUN.
           GO TO ACTIVE-STU-GEN, FOLL-UP-STU-GEN DEPENDING ON
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                   TYPE-OF-REPORT.
           DISPLAY ' CONTROL CARD ERROR '.
           STOP RUN.
       ACTIVE-STU-GEN.
           PERFORM SORT-ACT-STUDS.
           CLOSE PRINT-OUTS.
           STOP RUN.
       FOLL-UP-STU-GEN.
           SORT SORT-DISC ASCENDING KEY CAMPUS-2, YEAR-FOLL-UP,
                 INSTRUCTOR-2, STUDENT-NAME-2
                 INPUT PROCEDURE PICK-F-U-STUDENTS
                 OUTPUT PROCEDURE GEN-F-U-REPORT.
           CLOSE PRINT-OUTS.
           STOP RUN.
       PICK-F-U-STUDENTS SECTION.
           OPEN INPUT MAST-IN.
       READ-LOOP-2.
           READ MAST-IN INTO STUDENT-RECORD AT END GO TO SECT-END-2.
           IF TYPE-CODE-1 = '1' GO TO READ-LOOP-2.
           IF EXIT-2 (1) NOT = 'EXIT' GO TO READ-LOOP-2.
           IF CRS-CNT-2 < 1 GO TO READ-LOOP-2.
           PERFORM WRITE-SPOT VARYING L FROM 1 BY 1 UNTIL
                   L > CRS-CNT-2.
           GO TO READ-LOOP-2.
       SECT-END-2.
           CLOSE MAST-IN WITH LOCK.
       SECT-RETURN-2.
           EXIT.
       GEN-F-U-REPORT SECTION.
           OPEN OUTPUT PRINT-OUTS.
       RETURN-LOOP-2.
           RETURN SORT-DISC   INTO STUDENT-RECORD AT END GO TO
                   F-U-REPORT-DONE.
           IF OLD-CAMPUS-CD   NOT = SCT-ATT-2 (1) GO TO NEW-HEAD-2.
           IF OLD-INSTR-NAME  NOT = VOC-TEACH-2 (1) GO TO NEW-HEAD-2.
           IF OLD-YR-F-U      NOT = YEAR-OF-1ST-ENTRY GO TO NEW-HEAD-2.
           IF LINE-COUNT > 12 GO TO NEW-HEAD-2.
       HEAD-RTN-2.
           PERFORM FORMAT-F-U-RPT.
           PERFORM WRITE-F-U-RPT.
           ADD 1 TO LINE-COUNT
           GO TO RETURN-LOOP-2.
       NEW-HEAD.
           PERFORM FORMAT-HEAD-1.
           WRITE REPORT-OUT FROM HEADING-1 AFTER POSITIONING 0 LINES.
           WRITE REPORT-OUT FROM HEADING-2 AFTER POSITIONING 2 LINES.
           WRITE REPORT-OUT FROM HEADING-3 AFTER POSITIONING 2 LINES.
           WRITE REPORT-OUT FROM HEADING-4 AFTER POSITIONING 2 LINES.
           WRITE REPORT-OUT FROM HEAD-5    AFTER POSITIONING 2 LINES.
           WRITE REPORT-OUT FROM HEAD-6    AFTER POSITIONING 1 LINES.
           WRITE REPORT-OUT FROM HEAD-9    AFTER POSITIONING 2 LINES.
           WRITE REPORT-OUT FROM HEAD-10   AFTER POSITIONING 1 LINES.
           WRITE REPORT-OUT FROM HEAD-7    AFTER POSITIONING 2 LINES.
           WRITE REPORT-OUT FROM HEAD-8    AFTER POSITIONING 1 LINES.
           MOVE 2 TO LINE-COUNT.
           GO TO HEAD-RTN.
       NEW-HEAD-2.
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           PERFORM FORMAT-HEAD-2.
           WRITE REPORT-OUT FROM HEAD-X-1  AFTER POSITIONING 0 LINES.
           WRITE REPORT-OUT FROM HEAD-X-2  AFTER POSITIONING 2 LINES.
           WRITE REPORT-OUT FROM HEAD-X-10 AFTER POSITIONING 2 LINES.
           WRITE REPORT-OUT FROM HEAD-X-3  AFTER POSITIONING 2 LINES.
           WRITE REPORT-OUT FROM HEAD-X-4  AFTER POSITIONING 1 LINES.
           WRITE REPORT-OUT FROM HEAD-X-7  AFTER POSITIONING 2 LINES.
           WRITE REPORT-OUT FROM HEAD-X-8  AFTER POSITIONING 1 LINES.
           WRITE REPORT-OUT FROM HEAD-X-5  AFTER POSITIONING 2 LINES.
           WRITE REPORT-OUT FROM HEAD-X-6  AFTER POSITIONING 1 LINES.
           MOVE 2 TO LINE-COUNT.
           GO TO HEAD-RTN-2.
       FORMAT-HEAD-1.
           MOVE VOC-TEACH-1 (1) TO HEAD-AB, OLD-INSTR-NAME.
           MOVE VOC-CRS-1 (1) TO OLD-VOC-CRS-CD.
           MOVE SCH-ATT-1 (1) TO OLD-CAMPUS-CD.
           MOVE DATE-OF-REPORT TO HEAD-AH.
           PERFORM SCHOOL-NAME.
           PERFORM VOC-CRS-NAME.
       FORMAT-HEAD-2.
           MOVE VOC-TEACH-2 (1) TO HEAD-XX, OLD-INSTR-NAME.
           MOVE VOC-CRS-2 (1) TO OLD-VOC-CRS-CD.
           MOVE SCT-ATT-2 (1) TO OLD-CAMPUS-CD.
           MOVE DATE-OF-REPORT TO HEAD-ZZ.
           MOVE YEAR-OF-1ST-ENTRY TO OLD-YR-F-U, HEAD-YY.
           PERFORM SCHOOL-NAME.
           PERFORM VOC-CRS-NAME.
       SORT-ACT-STUDS.
           CLOSE INPUT-CARDS.
           SORT SORT-DISC ASCENDING KEY CAMPUS, VOC-COURSE,
                INSTRUCTOR, STUDENT-NAME
                INPUT PROCEDURE PICK-STUDENTS
                OUTPUT PROCEDURE GENERATE-REPORT.
       F-U-REPORT-DONE.
           EXIT.
       PICK-STUDENTS SECTION.
           OPEN INPUT MAST-IN.
       READ-LOOP.
           READ MAST-IN INTO STUDENT-RECORD AT END GO TO SECT-END.
           IF TYPE-CODE-1 = '2' GO TO READ-LOOP.
           IF CRS-CNT-1 < 1 GO TO READ-LOOP.
           PERFORM WRITE-SPOT VARYING L FROM 1 BY 1 UNTIL
                L > CRS-CNT-1.
           GO TO READ-LOOP.
       WRITE-SPOT.
           COMPUTE I = L + 4.
           MOVE RECORD-BLOCK (I) TO RECORD-BLOCK (5).
           MOVE STUDENT-RECORD TO SORT-FIELDS.
           IF RECORD-BLOCK (5) NOT = SPACES
           RELEASE SORT-FIELDS.
       SECT-END.
           CLOSE MAST-IN WITH LOCK.
       SECT-RETURN.
           EXIT.
       GENERATE-REPORT SECTION.
           OPEN OUTPUT PRINT-OUTS.
       RETURN-LOOP.
```

```
           RETURN SORT-DISC    INTO STUDENT-RECORD AT END GO TO REP-DONE.
           IF OLD-CAMPUS-CD    NOT = SCH-ATT-1 (1) GO TO NEW-HEAD.
           IF OLD-VOC-CRS-CD   NOT = VOC-CRS-1 (1)     GO TO NEW-HEAD.
           IF OLD-INSTR-NAME   NOT = VOC-TEACH-1 (1)   GO TO NEW-HEAD.
           IF LINE-COUNT > 12 GO TO NEW-HEAD.
       HEAD-RTN.
           PERFORM FORMAT-REPORT.
           PERFORM WRITE-REPORT.
           ADD 1 TO LINE-COUNT.
           GO TO RETURN-LOOP.
       WRITE-REPORT.
           WRITE REPORT-OUT FROM ROSTER-LINE-1
                                           AFTER POSITIONING 2 LINES.
           WRITE REPORT-OUT FROM ROSTER-LINE-3
                                           AFTER POSITIONING 1 LINES.
           WRITE REPORT-OUT FROM ROSTER-LINE-2
                                           AFTER POSITIONING 1 LINES.
       REP-DONE.
           EXIT.
       SQLEEZE-STUFF SECTION.
           PERFORM CNT-SQ-X VARYING I FROM 21 BY -1 UNTIL I < 1 OR
                   SQ-ZONE-I (I) NOT = ' '.
           PERFORM CNT-SQ-X VARYING J FROM 21 BY -1 UNTIL J < 1 OR
                   SQ-ZONE-J (J) NOT = ' '.
           PERFORM CNT-SQ-X VARYING K FROM 21 BY -1 UNTIL K < 1 OR
                   SQ-ZONE-K (K) NOT = ' '.
           PERFORM CNT-SQ-X VARYING L FROM 21 BY -1 UNTIL L < 1 OR
                   SQ-ZONE-L (L) NOT = ' '.
           IF I > 0 AND I < 20 ADD 2 TO I.
           MOVE ' ' TO SQ-ZONE-I (I).
           IF J > 0 PERFORM MOVE-J VARYING M FROM 1 BY 1 UNTIL M > J.
           ADD 1 TO I.
           MOVE ' ' TO SQ-ZONE-I (I).
           IF K > 0 PERFORM MOVE-K VARYING M FROM 1 BY 1 UNTIL M > K.
           ADD 1 TO I.
           MOVE ' ' TO SQ-ZONE-I (I).
           IF L > 0 PERFORM MOVE-L VARYING M FROM 1 BY 1 UNTIL M > L.
           ADD 1 TO I.
           PERFORM MOVE-B VARYING M FROM I BY 1 UNTIL M > 84.
           GO TO SQ-STUF-SECT-RTN.
       MOVE-B.
           MOVE ' ' TO SQ-ZONE-I (M).
       CNT-SQ-X.
           MOVE 0 TO M.
       MOVE-J.
           ADD 1 TO I.
           MOVE SQ-ZONE-J (M) TO SQ-ZONE-I (I).
       MOVE-K.
           ADD 1 TO I.
           MOVE SQ-ZONE-K (M) TO SQ-ZONE-I (I).
       MOVE-L.
           ADD 1 TO I.
           MOVE SQ-ZONE-L (M) TO SQ-ZONE-I (I).
       SQ-STUF-SECT-RTN.
           EXIT.
       FORMAT-REPORT SECTION.
           MOVE L-NAME-1 TO SQ-FIELD-A.
```

```
           MOVE F-NAME-1 TO SQ-FIELD-B.
           MOVE M-I-1    TC SQ-FIELD-C.
           MOVE ' '      TC SQ-FIELD-D.
           PERFORM SQUEEZE-STUFF.
           MOVE SQUEEZ-FIELDS TO NAME-7.
           MOVE '0' TO C-C-7.
           MOVE ' ' TO C-C-8.
           MOVE ' ' TO C-C-9.
           MOVE ID-NO-3 TO ID-NO-7.
           MOVE GRADE-1 (1) TC GRADE-7.
           MOVE BIRTH-DATE-1 TC BIRTH-DATE-7.
           MOVE SEX-1 TO SEX-7.
           MOVE RACE-1 TO RACE-7.
           MOVE S-ADD-1  TO SQ-FIELD-A.
           MOVE S-CIT-1  TC SQ-FIELD-B.
           MOVE S-STA-1  TC SQ-FIELD-C.
           MOVE S-ZIP-1  TC SQ-FIELD-D.
           PERFORM SQUEEZE-STUFF
           MOVE SQUEEZ-FIELDS TO ADDRESS-7.
           MOVE S-PHN-1                TO PHONE-NO-7.
           MOVE O-E-COD-2 (1)         TC USOE-CODE-7.
           MOVE HRS-CRS-1 (1)          TO HRS-IN-CRS-7.
           MOVE E-NAM-1                TC EMPLOYER-7.
           MOVE JOB-TITLE-1            TO JOB-TITLE-7.
           MOVE E-ADD-1                TO SQ-FIELD-A.
           MOVE E-CIT-1                TO SQ-FIELD-B.
           MOVE E-STA-1                TO SQ-FIELD-C.
           MOVE E-ZIP-1                TO SQ-FIELD-D.
           PERFORM SQUEEZE-STUFF.
           MOVE SQUEEZ-FIELDS TO EMPL-ADDR-7.
           MOVE E-PHN-1                TO EMPL-PHONE-7.
           MOVE O-E-CODE-1             TO JOB-USOE-7.
           MOVE HRS-DAY-1              TO HRS-EMPL-7.
           MOVE SALARY-1               TO SALARY-7.
           MOVE DATE-REC-1             TO DATE-RECORD-7.
           MOVE P-ADD-1                TO SQ-FIELD-A.
           MOVE P-CIT-1                TO SQ-FIELD-B.
           MOVE P-STA-1                TC SQ-FIELD-C.
           MOVE P-ZIP-1                TO SQ-FIELD-D.
           PERFORM SQUEEZE-STUFF.
           MOVE SQUEEZ-FIELDS          TO GUARD-ADD-7.
           MOVE P-PHN-1                TO GUARD-PHONE-7.
           MOVE REMARK-2 (1)           TO REMARKS-X-7.
           GO TO LOOP-F-U-RTN.
       FORMAT-F-U-RPT.
           MOVE ID-NO-3                TO F-S-LN-X-1.
           MOVE BIRTH-DATE-2           TO F-S-LN-X-3.
           MOVE SEX-2                  TO F-S-LN-X-4.
           MOVE RACE-2                 TO F-S-LN-X-5.
           MOVE S-PHN-2                TO F-S-LN-X-7.
           MOVE VOC-CRS-2 (1)          TO F-S-LN-X-8.
           MOVE O-E-COD-3 (1)          TO F-S-LN-X-9.
           MOVE HRS-COMPL-2 (1)      TO F-S-LN-X-10.
           MOVE E-NAM-2                TO F-S-LN-X-11.
           MOVE JOB-TITLE-2            TO F-S-LN-X-12.
           MOVE E-PHN-2                TO F-S-LN-X-14.
           MOVE O-E-CODE-2             TO F-S-LN-X-15.
```

```
           MOVE HRS-DAY-2                TO F-S-LN-X-16.
           MOVE SALARY-2                 TC F-S-LN-X-17.
           MOVE DATE-REC-2               TO F-S-LN-X-18.
           MOVE EXIT-2 (1) TO F-S-LN-X-26.
           MOVE REASON-EXIT-2 (1)        TO F-S-LN-X-20.
           MOVE POST-EXIT-ACT-2 (1)      TO F-S-LN-X-21.
           MOVE NO-OF-EMPL-2             TO F-S-LN-X-22.
           MOVE STEP-ENCR-2              TO F-S-LN-X-23.
           MOVE REMARK-3                 TO F-S-LN-X-24.
           MOVE COMPL-2-Y-N (1) TO F-S-LN-X-28.
           MOVE L-NAME-2  TO SQ-FIELD-A.
           MOVE F-NAME-2  TO SQ-FIELD-B.
           MOVE M-I-2       TO SQ-FIELD-C.
           MOVE ' '         TO SQ-FIELD-D.
           PERFORM SQUEEZE-STUFF.
           MOVE SQUEEZ-FIELDS TO F-S-LN-X-2.
           MOVE S-ADD-2  TO  SQ-FIELD-A.
           MOVE S-CIT-2  TO  SQ-FIELD-B.
           MOVE S-STA-2  TO  SQ-FIELD-C.
           MOVE S-ZIP-2  TO  SQ-FIELD-D.
           PERFORM SQUEEZE-STUFF.
           MOVE SQUEEZ-FIELDS TO F-S-LN-X-6.
           MOVE E-ADD-2 TO SQ-FIELD-A.
           MOVE E-CIT-2 TO SQ-FIELD-B.
           MOVE E-STA-2 TO SQ-FIELD-C.
           MOVE E-ZIP-2 TO SQ-FIELD-D.
           PERFORM SQUEEZE-STUFF.
           MOVE SQUEEZ-FIELDS TO F-S-LN-X-13.
           MOVE L-NAME-3 TO SQ-FIELD-A.
           MOVE F-NAME-3 TO SQ-FIELD-B.
           MOVE M-I-3     TO SQ-FIELD-C.
           MOVE ' '       TO SQ-FIELD-D.
           PERFORM SQUEEZE-STUFF.
           MOVE SQUEEZ-FIELDS TO F-S-LN-X-19.
       WRITE-F-U-RPT.
           WRITE REPORT-OUT FROM F-STUD-LINE-1
                                         AFTER POSITIONING 2 LINES.
           WRITE REPORT-OUT FROM F-STUD-LINE-3
                                         AFTER POSITIONING 1 LINES.
           WRITE REPORT-OUT FROM F-STUD-LINE-2
                                         AFTER POSITIONING 1 LINES.
       LOOP-F-U-RTN.
           EXIT.
       SCHOOL-NAME SECTION.
           PERFORM CK-SCH-CODE VARYING L FROM 1 BY 1 UNTIL L > 18.
           IF TYPE-OF-REPORT = 1 MOVE 'UNCODED CAMPUS' TO HEAD-AD
              OTHERWISE MOVE 'UNCODED CAMPUS' TO HEAD-YZ.
           GO TO NAME-SECT-RTN.
       CK-SCH-CODE.
           IF OLD-CAMPUS-CD = CAMP-CODE (L) GO TO GOOD-NAME.
           MOVE I TO I.
       GOOD-NAME.
           IF TYPE-OF-REPORT = 1 MOVE CAMP-NAME (L) TO HEAD-AD
              OTHERWISE MOVE CAMP-NAME (L) TO HEAD-YZ.
       NAME-SECT-RTN.
           EXIT.
       VOC-CRS-NAME SECTION.
```

```
           PERFORM CK-CRS-CODE VARYING L FROM 1 BY 1 UNTIL L > 18.
           MOVE OLD-VOC-CRS-CD   TO HEAD-AF.
           GO TO CRS-SECT-RTN.
       CK-CRS-CODE.
           IF OLD-VOC-CRS-CD = PROG-CODE-X (L) GO TO GOOD-PROG.
           MOVE I TO I.
       GOOD-PROG.
           MOVE PROG-NAME-X (L) TO HEAD-AF.
       CRS-SECT-RTN.
           EXIT.
       STOPPING-SECTION SECTION.
           DISPLAY ' STOPPING SECTION '.
```

```
*STATISTICS*      SOURCE RECORDS =   807     DATA DIVISION STATEMENTS =   410     PROCEDURE DIVISION STATEMENTS =   265
*OPTIONS IN EFFECT*      SIZE =   94208  BUF =     7882  LINECNT = 57  SPACE1, FLAGW,   SEQ,   SOURCE
*OPTIONS IN EFFECT*      NODMAP, NOPMAP, NOCLIST,   SUPMAP, NOXREF,   LOAD, NODECK, APOST, NOTRUNC, NOLIB, NOVERB
*OPTIONS IN EFFECT*        ZWB
```

CARD	ERROR MESSAGE	
617	IKF4072I-W	EXIT FROM PERFORMED PROCEDURE ASSUMED BEFORE PROCEDURE-NAME .

```
                              OS/360 LD  ?

OPTIONS USED - PRINT,MAP,NOLET,CALL,RES,NCTERM,SIZE=77824,NAME=**GO

   NAME  TYPE  ADDR       NAME  TYPE  ADDR       NAME  TYPE  ADDR       NAME  TYPE  ADDR       NAME  TYPE  ADDR

  BRYANUP    SD  18810   ILBOSRTO*  SD  1CD50   ILBOSTPO*  SD  1D128   ILBOSTP1*  LR  1D13F   ILBODSPO*  SR  1D1A0
  SPIE    *  SD  1D858

  TOTAL LENGTH    5580
  ENTRY ADDRESS  18810
```

BRYAN PUBLIC SCHOOLS MAILER PROGRAM

The purpose of this program is to generate a letter to each follow-up student which can be sent to him in a window envelope. The letter contains all the data that we have on a particular student and he is to correct or complete the data and return it to the Bryan Public Schools for file maintenance.

A data card with the date to be written on each letter is placed behind the program deck. The date is in Col. 1-8.

The program will read the current master tape and sort the follow-up student records into alphabetical order. The sorted data is formatted for the letters and is to be printed on 9510 paper.

After the 9510 paper has been trimmed and burst the letters should be carefully folded so that the mailing address at the bottom of each page will show in the window of the envelope.

COMPUTER PROGRAM FOR

PRINTING A FOLLOW-UP MAILER

FOR EACH FORMER STUDENT

```
//JCRF95    JOB (00504,201-B,003,060,BH),'JCRF TEST MAILER '                    JOB 10
***SETUP
***FORMS          95101000
***CLASS          D
***BED
 /BHS EXEC COBU,REGION=110K,TIME=10
XXONESTEP EXEC PGM=ANSCOBOL,REGION=110K
***
***               JCL STATEMENTS FOR THE ANS COMPILER
***
XXSYSUT1     DD UNIT=SYSDA,SPACE=(TRK,(100,20))
XXSYSUT2     DD UNIT=SYSDA,SPACE=(TRK,(100,20))
XXSYSUT3     DD UNIT=SYSDA,SPACE=(TRK,(100,20))
XXSYSUT4     DD UNIT=SYSDA,SPACE=(TRK,(100,20))
XXSYSPRT     DD SYSOUT=A
XXSYSPUNCH   DD SYSOUT=B
XXSYSLIN     DD UNIT=SYSDA,SPACE=(TRK,(100,20)),DISP=(MOD,DELETE),
XX              DCB=(BLKSIZE=2240,BUFNO=2),DSN=&&LOADSET
***
***               JCL STATEMENTS FOR THE LOADER
***
XX           DD DDNAME=OBJECT        HEX DECKS FOR LOADER
XXSYSLIB     DD DSN=SYS1.COBLIB,DISP=SHR
XX           DD DSN=SYS1.DPCLIB,DISP=SHR
XXSYSLOUT    DD SYSOUT=A
***
***               DPC PROVIDED JCL STATEMENTS FOR USER PROGRAM
***
XXPRINTER    DD SYSOUT=A
XXREADER     DD DDNAME=SYSIN
XXSYSOUT     DD SYSOUT=A
XXPUNCH      DD SYSOUT=B
***
***               JCL STATEMENTS PROVIDED BY USER
***
//SOURCE  DD *
//SORTIN DD UNIT=SYSDA,SPACE=(CYL,10),DCB=(RECFM=FB,LRECL=356,                X
//              BLKSIZE=1780)
//SORTOUT DD UNIT=SYSDA,SPACE=(CYL,10),DCB=(RECFM=FB,LRECL=356,               X
//              BLKSIZE=1780)
//SORTWK01 DD UNIT=SYSDA,SPACE=(CYL,(10),,CONTIG)
//SORTWK02 DD UNIT=SYSDA,SPACE=(CYL,(10),,CONTIG)
//SORTWK03 DD UNIT=SYSDA,SPACE=(CYL,(10),,CONTIG)
//SORTWK04 DD UNIT=SYSDA,SPACE=(CYL,(10),,CONTIG)
//SORTWK05 DD UNIT=SYSDA,SPACE=(CYL,(10),,CONTIG)
//SORTWK06 DD UNIT=SYSDA,SPACE=(CYL,(10),,CONTIG)
//SORTLIB DD DSN=SYS1.SORTLIB,DISP=SHR
//MASTIN  DD UNIT=TAPE9,DISP=(OLD,KEEP),DSN=BHSMST,LABEL=(,SL),               X
//              VOL=SER=006039,DCB=(RECFM=FB,LRECL=650,BLKSIZE=6500)
//SYSOUT DD SYSOUT=A
//SYSIN DD *
//
IEF236I ALLOC. FOR JCRF95   ONESTEP  BHS
IEF237I 135   ALLOCATED TO SYSUT1
IEF237I 131   ALLOCATED TO SYSUT2
IEF237I 135   ALLOCATED TO SYSUT3
IEF237I 132   ALLOCATED TO SYSUT4
IEF237I 611   ALLOCATED TO SYSPRT
IEF237I 635   ALLOCATED TO SYSPUNCH
IEF237I 131   ALLOCATED TO SYSLIN
IEF237I 130   ALLOCATED TO SYSLIB
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IEF237I 390    ALLOCATED TO
IEF237I 612    ALLOCATED TO SYSLOUT
IEF237I 613    ALLOCATED TO PRINTER
IEF237I 657    ALLOCATED TO READER
IEF237I 614    ALLOCATED TO SYSOUT
IEF237I 636    ALLOCATED TO PUNCH
IEF237I 654    ALLOCATED TO SOURCE
IEF237I 132    ALLOCATED TO SORTIN
IEF237I 135    ALLOCATED TO SORTOUT
IEF237I 171    ALLOCATED TO SORTWK01
IEF237I 171    ALLOCATED TO SORTWK02
IEF237I 131    ALLOCATED TO SORTWK03
IEF237I 132    ALLOCATED TO SORTWK04
IEF237I 135    ALLOCATED TO SORTWK05
IEF237I 171    ALLOCATED TO SORTWK06
IEF237I 130    ALLOCATED TO SORTLIB
IEF237I 282    ALLOCATED TO MASTIN
IEF237I 615    ALLOCATED TO SYSOUT
IEF285I   SYS73046.T093432.RV000.JCRF95.R0000001        DELETED
IEF285I   VOL SER NOS= 888888.
IEF285I   SYS73046.T093432.RV000.JCRF95.R0000002        DELETED
IEF285I   VOL SER NOS= 555555.
IEF285I   SYS73046.T093432.RV000.JCRF95.R0000003        DELETED
IEF285I   VOL SER NOS= 888888.
IEF285I   SYS73046.T093432.RV000.JCRF95.R0000004        DELETED
IEF285I   VOL SER NOS= 666666.
IEF285I   SYS73046.T093432.RV000.JCRF95.R0000005        DELETED
IEF285I   VOL SER NOS=       .
IEF285I   SYS73046.T093432.RV000.JCRF95.R0000006        DELETED
IEF285I   VOL SER NOS=       .
IEF285I   SYS73046.T093432.RV000.JCRF95.LOADSET         DELETED
IEF285I   VOL SER NOS= 555555.
IEF285I   SYS1.COBLIB                                   KEPT
IEF285I   VOL SER NOS= SYSRES.
IEF285I   SYS1.DPCLIB                                   KEPT
IEF285I   VOL SER NOS= 444444.
IEF285I   SYS73046.T093432.RV000.JCRF95.R0000007        DELETED
IEF285I   VOL SER NOS=       .
IEF285I   SYS73046.T093432.RV000.JCRF95.R0000008        DELETED
IEF285I   VOL SER NOS=       .
IEF285I   SYS73046.T093432.RV000.JCRF95.R0000021        DELETED
IEF285I   VOL SER NOS=       .
IEF285I   SYS73046.T093432.RV000.JCRF95.R0000011        DELETED
IEF285I   VOL SER NOS=       .
IEF285I   SYS73046.T093432.RV000.JCRF95.R0000012        DELETED
IEF285I   VOL SER NOS= 666666.
IEF285I   SYS73046.T093432.RV000.JCRF95.R0000013        DELETED
IEF285I   VOL SER NOS= 888888.
IEF285I   SYS73046.T093432.RV000.JCRF95.R0000014        DELETED
IEF285I   VOL SER NOS= DUBL05.
IEF285I   SYS73046.T093432.RV000.JCRF95.R0000015        DELETED
IEF285I   VOL SER NOS= DUBL05.
IEF285I   SYS73046.T093432.RV000.JCRF95.R0000016        DELETED
IEF285I   VOL SER NOS= 555555.
IEF285I   SYS73046.T093432.RV000.JCRF95.R0000017        DELETED
IEF285I   VOL SER NOS= 666666.
IEF285I   SYS73046.T093432.RV000.JCRF95.R0000018        DELETED
IEF285I   VOL SER NOS= 888888.
IEF285I   SYS73046.T093432.RV000.JCRF95.R0000019        DELETED
IEF285I   VOL SER NOS= DUBL05.
IEF285I   SYS1.SORTLIB                                  KEPT
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IEF285I   VOL SER NOS= SYSRES.
IEF285I   BHSMST                                          KEPT
IEF285I   VOL SER NOS= 006039.
IEF280E K 282,006039,JCRF95,ONESTEP,BHSMST
TAM001I STEP /ONESTEP/ MAXIMUM CORE USED = 108K, EXECUTE TIME = 0.61
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IDENTIFICATION DIVISION.
PROGRAM-ID. 'BRYANUP'.
AUTHOR.  JCRF.
DATE-WRITTEN. MARCH 1972.
INSTALLATION. TEXAS A & M UNIVERSITY.
ENVIRONMENT DIVISION.
CONFIGURATION SECTION.
SOURCE-COMPUTER. IBM-360-I65.
OBJECT-COMPUTER. IBM-360-I65.
INPUT-OUTPUT SECTION.
FILE-CONTROL.
    SELECT INPUT-CARDS ASSIGN TO UT-S-READER.
    SELECT PRINT-OUTS  ASSIGN TO UT-S-PRINTER.
    SELECT PRESORT-FILE ASSIGN TO UT-2314-S-SORTIN.
    SELECT POSTSRT-FILE ASSIGN TO UT-2314-S-SORTOUT.
    SELECT MAST-IN      ASSIGN TO UT-2400-S-MASTIN.
    SELECT SORT-DISC    ASSIGN TO UT-2314-S-SORTIN.
DATA DIVISION.
FILE SECTION.
FD  INPUT-CARDS RECORDING MODE IS F LABEL RECORDS ARE OMITTED
    DATA RECORD IS INPUT-RECORD.
01  INPUT-RECORD.
    02  IN-X-TEST PICTURE X OCCURS 80 TIMES.
FD  PRINT-OUTS RECORDING MODE F LABEL RECORDS ARE OMITTED
                   DATA RECORD IS PRINT-RECORD, REPORT-OUT.
01  PRINT-RECORD PICTURE X(132).
01  REPORT-OUT PICTURE X(132).
FD  PRESORT-FILE RECORDING MODE F LABEL RECORDS ARE STANDARD
      BLOCK CONTAINS 0 RECORDS RECORD CONTAINS 356 CHARACTERS
      DATA RECORD IS SORTIN-RECORD.
01  SORTIN-RECORD PICTURE X(356).
FD  POSTSRT-FILE RECORDING MODE F LABEL RECORDS ARE STANDARD
      BLOCK CONTAINS 0 RECORDS RECORD CONTAINS 356 CHARACTERS
      DATA RECORD IS SORTOUT-RECORD.
01  SORTOUT-RECORD PICTURE X(356).
SD  SORT-DISC RECORDING MODE F RECORD CONTAINS 356 CHARACTERS
      DATA RECORD IS SORT-FIELDS, SORT-2-FIELDS.
01  SORT-FIELDS.
    02  FIELD-1 PICTURE X(11).
    02  STUDENT-NAME PICTURE X(23).
    02  FIELD-2 PICTURE X(253).
    02  VOC-COURSE PICTURE X(4).
    02  FIELD-3 PICTURE X(11).
    02  CAMPUS  PICTURE X(3).
    02  FIELD-4 PICTURE X(2).
    02  INSTRUCTOR PICTURE X(17).
    02  FIELD-5 PICTURE X(32).
01  SORT-2-FIELDS.
    02  FIELD-X-6          PICTURE X(11).
    02  STUDENT-NAME-2     PICTURE X(23).
    02  FIELD-X-1          PICTURE X(76).
    02  YEAR-FOLL-UP       PICTURE X(2).
    02  FIELD-X-2          PICTURE X(175).
    02  FIELD-X-3          PICTURE X(15).
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           02 *CAMPUS*2         PICTURE X(3).
           02  FIELD-X-4        PICTURE X(2).
           02  INSTRUCTOR-2     PICTURE X(17).
           02  FIELD-X-5        PICTURE X(32).
       FD  MAST-IN RECORDING MODE F LABEL RECORDS ARE STANDARD
             BLOCK CONTAINS 0 RECORDS RECORD CONTAINS 650 CHARACTERS
             DATA RECORD IS MAST-IN-REC.
       01  MAST-IN-REC PICTURE X(650).
       WORKING-STORAGE SECTION.
       77  FIND-W-S  PICTURE X(60) VALUE 'BRYAN H S WORKING STORAGE '.
       77  STUD-CNT-Z PICTURE 999 VALUE ZERO.
       77  NO-READ         PICTURE  9(6) VALUE ZERO.
       77  NO-WRITTEN      PICTURE  9(6) VALUE ZERO.
       77  NO-CHANGES      PICTURE  9(6) VALUE ZERO.
       77  NO-ADDS         PICTURE  9(6) VALUE ZERO.
       77  I               PICTURE  S99 COMPUTATIONAL VALUE ZERO.
       77  J               PICTURE  S99 COMPUTATIONAL VALUE ZERO.
       77  K               PICTURE  S99 COMPUTATIONAL VALUE ZERO.
       77  L               PICTURE  S99 COMPUTATIONAL VALUE ZERO.
       77  M               PICTURE  S99 COMPUTATIONAL VALUE ZERO.
       77  N               PICTURE  S99 COMPUTATIONAL VALUE ZERO.
       77  CHNG-EOF-FLG PICTURE 9 VALUE 0.
       01  OLD-YR-F-U PICTURE XX VALUE ' '.
       01  OLD-CAMPUS-CODE PICTURE XXX VALUE ' '.
       01  CHANGE-CARDS.
           02  ID-NO-1                    PICTURE X(9).
           02  ID-NO-2 REDEFINES ID-NO-1 PICTURE X OCCURS 9 TIMES.
           02  CARD-TYPE-1.
               03  CARD-CODE-1            PICTURE X.
               03  CRD-CD-X REDEFINES CARD-CODE-1 PICTURE 9.
               03  CARD-CHNG-1            PICTURE X(69).
               03  COL-80-1               PICTURE X.
           02  CARD-TYPE-2 REDEFINES CARD-TYPE-1.
               03  CARD-CODE-2            PICTURE X.
               03  UPDATE-CODE-3                             PICTURE 99.
               03  UPDATE-CODE-5 REDEFINES UPDATE-CODE-3.
                   04  UPDATE-CODE-1 PICTURE X OCCURS 2 TIMES.
               03  FIELD-VAL              PICTURE X(62).
               03  DATE-OF-UPDATE         PICTURE X(6).
               03  DAT-OF-UP REDEFINES DATE-OF-UPDATE PICTURE X
                             OCCURS 6 TIMES.
       01  STUDENT-RECORD.
           02  DELETE-CODE                PICTURE X.
           02  ID-NO-3                    PICTURE X(9).
           02  TYPE-CODE-1                PICTURE X.
           02  RECORD-TYPE-1.
               03  RECORD-BLOCK PICTURE X(69) OCCURS 9 TIMES.
           02  RECORD-TYPE-2 REDEFINES RECORD-TYPE-1.
               03  L-NAME-1               PICTURE X(12).
               03  F-NAME-1               PICTURE X(10).
               03  M-I-1                  PICTURE X(01).
               03  EMPL-1                 PICTURE X(01).
               03  OCC-1                  PICTURE X(15).
               03  O-E-CODE-1             PICTURE X(07).
               03  JOB-TITLE-1            PICTURE X(13).
               03  HRS-DAY-1              PICTURE X(04).
               03  SALARY-1               PICTURE X(04).
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              03  SEX-1                    PICTURE X(01).
              03  RACE-1                   PICTURE X(01).
              03  S-ADD-1                  PICTURE X(21).
              03  S-CIT-1                  PICTURE X(11).
              03  S-STA-1                  PICTURE X(05).
              03  S-ZIP-1                  PICTURE X(05).
              03  S-ARC-1                  PICTURE X(03).
              03  S-PHN-1                  PICTURE X(07).
              03  BIRTH-DATE-1             PICTURE X(06).
              03  DATE-REC-1               PICTURE X(06).
              03  CRS-CNT-1                PICTURE 9(02).
              03  FILLER                   PICTURE X(03).
              03  P-ADD-1                  PICTURE X(21).
              03  P-CIT-1                  PICTURE X(11).
              03  P-STA-1                  PICTURE X(05).
              03  P-ZIP-1                  PICTURE X(05).
              03  P-ARC-1                  PICTURE X(03).
              03  P-PHN-1                  PICTURE X(07).
              03  REMARK-1                 PICTURE X(17).
              03  E-ADD-1                  PICTURE X(21).
              03  E-CIT-1                  PICTURE X(11).
              03  E-STA-1                  PICTURE X(05).
              03  E-ZIP-1                  PICTURE X(05).
              03  E-ARC-1                  PICTURE X(03).
              03  E-PHN-1                  PICTURE X(07).
              03  E-NAM-1                  PICTURE X(17).
              03  CRS-RECORDS OCCURS 5 TIMES.
                  04  VOC-CRS-1            PICTURE X(04).
                  04  O-E-COD-2            PICTURE X(07).
                  04  HRS-CRS-1            PICTURE X(04).
                  04  SCH-ATT-1            PICTURE X(03).
                  04  GRADE-1              PICTURE X(02).
                  04  VOC-TEACH-1          PICTURE X(17).
                  04  DATE-ENT-1           PICTURE X(04).
                  04  DATE-EXIT-1          PICTURE X(04).
                  04  REASON-EXIT-1        PICTURE X(04).
                  04  REMARK-2             PICTURE X(20).
          02  RECORD-TYPE-3 REDEFINES RECORD-TYPE-1.
              03  L-NAME-2                 PICTURE X(12).
              03  F-NAME-2                 PICTURE X(10).
              03  M-I-2                    PICTURE X(01).
              03  EMPL-2                   PICTURE X(01).
              03  OCC-2                    PICTURE X(15).
              03  O-E-CODE-2               PICTURE X(07).
              03  JOB-TITLE-2              PICTURE X(12).
              03  HRS-DAY-2                PICTURE X(05).
              03  SALARY-2                 PICTURE X(04).
              03  SEX-2                    PICTURE X(01).
              03  RACE-2                   PICTURE X(01).
              03  L-NAME-3                 PICTURE X(12).
              03  F-NAME-3                 PICTURE X(10).
              03  M-I-3                    PICTURE X(01).
              03  SALARY-3                 PICTURE X(04).
              03  NO-OF-EMPL-2             PICTURE X(03).
              03  YEAR-OF-1ST-ENTRY        PICTURE X(02).
              03  REMARK-3                 PICTURE X(35).
              03  CRS-CNT-2                PICTURE 9(02).
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                03  S-ADD-2                PICTURE X(21).
                03  S-CIT-2                PICTURE X(11).
                03  S-STA-2                PICTURE X(05).
                03  S-ZIP-2                PICTURE X(05).
                03  S-ARC-2                PICTURE X(03).
                03  S-PHN-2                PICTURE X(07).
                03  BIRTH-DATE-2           PICTURE X(06).
                03  DATE-REC-2             PICTURE X(06).
                03  STEP-ENCR-2            PICTURE X(01).
                03  FILLER                 PICTURE X(04).
                03  E-ADD-2                PICTURE X(21).
                03  E-CIT-2                PICTURE X(11).
                03  E-STA-2                PICTURE X(05).
                03  E-ZIP-2                PICTURE X(05).
                03  E-ARC-2                PICTURE X(03).
                03  E-PHN-2                PICTURE X(07).
                03  E-NAM-2                PICTURE X(17).
                03  CRS-RECORDS-2 OCCURS 5 TIMES.
                    04  VOC-CRS-2          PICTURE X(04).
                    04  O-E-COD-3          PICTURE X(07).
                    04  HRS-CRS-2          PICTURE X(04).
                    04  SCT-ATT-2          PICTURE X(03).
                    04  GRADE-2            PICTURE X(02).
                    04  VOC-TEACH-2        PICTURE X(17).
                    04  DATE-EXIT-2        PICTURE X(04).
                    04  REASON-EXIT-2      PICTURE X(04).
                    04  VOC-Y-N-2          PICTURE X(01).
                    04  HRS-COMPL-2        PICTURE X(04).
                    04  PER-CEN-COM-2      PICTURE X(03).
                    04  POST-EXIT-ACT-2    PICTURE X(04).
                    04  DATE-ENT-2         PICTURE X(04).
                    04  FILLER             PICTURE X(08).
        01  REPORT-TYPE-FLAGS.
            02  TYPE-OF-REPORT PICTURE 9.
            02  DATE-OF-REPORT PICTURE X(8).
        01  TEMP-SAVE PICTURE X(650).
        01  REDEF-FIELDS.
            02  REDEF-1 PICTURE XX.
            02  REDEF-2 REDEFINES REDEF-1 PICTURE 99.
            02  REDEF-3 REDEFINES REDEF-1 PICTURE X OCCURS 2 TIMES.
        01  NAME-FIELDS.
            02  L-N-X.
                03  L-N-Y PICTURE X OCCURS 13 TIMES.
            02  F-N-X.
                03  F-N-X PICTURE X OCCURS 11 TIMES.
        01  ERROR-FLAG PICTURE 9 VALUE ZERO.
        01  OLD-CAMPUS-CD      PICTURE X(03) VALUE ' '.
        01  CNT-XXXX PICTURE 999 VALUE ZERO.
        01  OLD-VOC-CRS-CD     PICTURE X(04) VALUE ' '.
        01  OLD-INSTR-NAME     PICTURE X(17) VALUE ' '.
        01  SQUEEZ-FIELDS.
            02  SQ-FIELD-A     PICTURE X(21).
            02  SQ-FIELD-1 REDEFINES SQ-FIELD-A.
                03  SQ-ZONE-I PICTURE X OCCURS 21  TIMES.
            02  SQ-FIELD-B     PICTURE X(21).
            02  SQ-FIELD-2 REDEFINES SQ-FIELD-B.
                03  SQ-ZONE-J PICTURE X CCCURS 21  TIMES.
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           02  SQ-FIELD-C     PICTURE X(21).
           02  SQ-FIELD-3 REDEFINES SQ-FIELD-C.
               03  SQ-ZONE-K PICTURE X OCCURS 21  TIMES.
           02  SQ-FIELD-D     PICTURE X(21).
           02  SQ-FIELD-4 REDEFINES SQ-FIELD-D.
               03  SQ-ZONE-L PICTURE X OCCURS 21  TIMES.
       01  LINE-COUNT PICTURE 99 VALUE 13.
       01  CAMPUS-LIST.
           02  C-LIST-1  PICTURE X(50) VALUE
                '000EDUCATIONAL SERVICE CENTER             '.
           02  C-LIST-2  PICTURE X(50) VALUE
                '002STEPHAN F AUSTIN                       '.
           02  C-LIST-3  PICTURE X(50) VALUE
                '001BRYAN HIGH                             '.
           02  C-LIST-4  PICTURE X(50) VALUE
                '041ANSON JONES                            '.
           02  C-LIST-5  PICTURE X(50) VALUE
                '042LAMAR                                  '.
           02  C-LIST-6  PICTURE X(50) VALUE
                '111NEAL                                   '.
           02  C-LIST-7  PICTURE X(50) VALUE
                '101BONHAM                                 '.
           02  C-LIST-8  PICTURE X(50) VALUE
                '102BOWIE                                  '.
           02  C-LIST-9  PICTURE X(50) VALUE
                '103CARVER-KEMP                            '.
           02  C-LIST-10 PICTURE X(50) VALUE
                '104CROCKETT                               '.
           02  C-LIST-11 PICTURE X(50) VALUE
                '105FANNIN                                 '.
           02  C-LIST-12 PICTURE X(50) VALUE
                '106MILAM                                  '.
           02  C-LIST-13 PICTURE X(50) VALUE
                '107ROSS                                   '.
           02  C-LIST-14 PICTURE X(50) VALUE
                '108TRAVIS                                 '.
           02  C-LIST-15 PICTURE X(50) VALUE
                '109WASHINGTON CAMPUS                      '.
           02  C-LIST-16 PICTURE X(50) VALUE
                '110HENDERSON                              '.
           02  C-LIST-17 PICTURE X(50) VALUE
                '200LIBRARY PROCESSING CENTER              '.
           02  C-LIST-18 PICTURE X(50) VALUE
                '201WAREHOUSE                              '.
       01  CAMPUS-LIST-2 REDEFINES CAMPUS-LIST.
           02  C-LST-X OCCURS 18 TIMES.
               03  CAMP-CODE PICTURE XXX.
               03  CAMP-NAME PICTURE X(47).
       01  VOC-PROGRAM.
           02  VOC-PROG-1   PICTURE X(50) VALUE
                'CCAGCOOPERATIVE AGRICULTURE                       '.
           02  VOC-PROG-2   PICTURE X(50) VALUE
                'VOAGVOCATIONAL AGRICULTURE                        '.
           02  VOC-PROG-3   PICTURE X(50) VALUE
                'AMECAUTO MECHANICS                                '.
           02  VOC-PROG-4   PICTURE X(50) VALUE
                'BLTDBUILDING TRADES                               '.
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           02  VOC-PROG-5   PICTURE X(50) VALUE
               'CSMGCOSMETOLOGY                                   '.
           02  VOC-PROG-6   PICTURE X(50) VALUE
               'CVAECOORDINATED VOC. ACAD. TRAINING               '.
           02  VOC-PROG-7   PICTURE X(50) VALUE
               'DETRDISTRIBUTED EDUC. TRAINING                    '.
           02  VOC-PROG-8   PICTURE X(50) VALUE
               'DPTRDATA PROCESSING TRAINING                      '.
           02  VOC-PROG-9   PICTURE X(50) VALUE
               'ICTRINDUSTRIAL COOPERATIVE TRAINING               '.
           02  VOC-PROG-10  PICTURE X(50) VALUE
               'HECEHOME ECONOMIC COOP. EDUC.                     '.
           02  VOC-PROG-11  PICTURE X(50) VALUE
               'HOCTHEALTH OCCUPATIONS COOP. TRAINING             '.
           02  VOC-PROG-12  PICTURE X(50) VALUE
               'PELBPRE EMPLOYMENT LAB                            '.
           02  VOC-PROG-13  PICTURE X(50) VALUE
               'HMKTHOME MAKING TRAINING                          '.
           02  VOC-PROG-14  PICTURE X(50) VALUE
               'VONRVOCATIONAL NURSE TRAINING                     '.
           02  VOC-PROG-15  PICTURE X(50) VALUE
               'VOEDVOCATIONAL OFFICE EDUCATION                   '.
           02  VOC-PROG-16  PICTURE X(50) VALUE
               'BVAEBUILDING TRADES ACAD. EDUC.                   '.
           02  VOC-PROG-17  PICTURE X(50) VALUE
               'HVAEHORTICULTURE ACAD. EDUC.                      '.
           02  VOC-PROG-18  PICTURE X(50) VALUE
               'DVAEOFFICE DUPLICATION ACAD. EDUC.                '.
       01  VOC-PROGRAM-1 REDEFINES VOC-PROGRAM.
           02  PROG-LIST OCCURS 18 TIMES.
               03  PROG-CODE-X PICTURE XXXX.
               03  PROG-NAME-X PICTURE X(46).
       01  LINE-1.
           02  LINE-1-1 PICTURE X(53) VALUE
            '                      FOLLOW-UP DATA FOR COMPUTER FILE '.
       01  LINE-2.
           02  LINE-2-1 PICTURE X(57) VALUE
            '       THE FOLLOWING INFORMATION IS THE COMPUTER FILE FOR'.
           02  LINE-2-2 PICTURE X(23) VALUE ' '.
       01  LINE-3.
           02  LINE-3-1 PICTURE X(42) VALUE
               '     IN THE BRYAN PUBLIC SCHOOLS FOLLOW-UP P'.
           02  LINE-3-2 PICTURE X(42) VALUE
               'ROGRAM.  PLEASE CHECK THE                 '.
       01  LINE-4.
           02  LINE-4-1 PICTURE X(42) VALUE
               '     INFORMATION BELOW CORRECTING ANY ERRORS'.
           02  LINE-4-2 PICTURE X(42) VALUE
               ' AND COMPLETING ANY INCOMPLETE             '.
       01  LINE-5.
           02  LINE-5-1 PICTURE X(42) VALUE
               '     ITEMS.  PLEASE RETURN THE CORRECTED COP'.
           02  LINE-5-2 PICTURE X(42) VALUE
               'Y TO BRYAN INDEPENDENT SCHOOL              '.
       01  LINE-6.
           02  LINE-6-1 PICTURE X(42) VALUE
               '     DISTRICT, BRYAN, TEXAS 77801.  THE CORR'.
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            02  LINE-6-2 PICTURE X(42) VALUE
                  'ECTIONS WILL BE REFLECTED IN                  '.
        01  LINE-7.
            02  LINE-7-1 PICTURE X(42) VALUE
                  '    NEXT YEARS MAIL-OUT TO YOU.               '.
            02  LINE-7-2 PICTURE X(42) VALUE
                  '                                              '.
        01  LINE-8.
            02  LINE-8-1   PICTURE X(23) VALUE
             '   STUDENT ID NUMBER - '.
            02  LINE-8-2    PICTURE X(11) VALUE ' '.
            02  LINE-8-3   PICTURE X(22) VALUE 'DATE OF THIS RECORD - '.
            02  LINE-8-4   PICTURE X(08) VALUE ' '.
        01  LINE-9.
            02  LINE-9-1   PICTURE X(26) VALUE
             '   NAME WHILE A STUDENT - '.
            02  LINE-9-2    PICTURE X(28) VALUE ' '.
            02  LINE-9-3   PICTURE X(11) VALUE 'EMPLOYED - '.
            02  LINE-9-4   PICTURE X(03) VALUE ' '.
        01  LINE-10.
            02  LINE-10-1  PICTURE X(16) VALUE    '   OCCUPATION - '.
            02  LINE-10-2   PICTURE X(21) VALUE ' '.
            02  LINE-10-3  PICTURE X(29) VALUE   ' '.
            02  LINE-10-4  PICTURE X(07) VALUE ' '.
        01  LINE-11.
            02  LINE-11-1  PICTURE X(15) VALUE    '   JOB TITLE - '.
            02  LINE-11-2   PICTURE X(23) VALUE ' '.
            02  LINE-11-3  PICTURE X(10) VALUE 'HRS/DAY - '.
            02  LINE-11-4  PICTURE X(05) VALUE ' '.
            02  LINE-11-5 PICTURE X(19) VALUE '  CURRENT SALARY - '.
            02  LINE-11-6 PICTURE X(05) VALUE ' '.
        01  LINE-12.
            02  LINE-12-1  PICTURE X(09) VALUE    '   SEX - '.
            02  LINE-12-2   PICTURE X(03) VALUE ' '.
            02  LINE-12-3  PICTURE X(07) VALUE 'RACE - '.
            02  LINE-12-4  PICTURE X(01) VALUE ' '.
            02  LINE-12-5 PICTURE X(18) VALUE '  DATE OF BIRTH - '.
            02  LINE-12-6 PICTURE X(08) VALUE ' '.
            02  LINE-12-7 PICTURE X(23) VALUE '    BEGINNING SALARY - '.
            02  LINE-12-8 PICTURE X(05) VALUE ' '.
        01  LINE-13.
            02  LINE-13-1  PICTURE X(44) VALUE
             '   PRESENT NAME (IF DIFFERENT FROM ABOVE) - '.
            02  LINE-13-2   PICTURE X(26) VALUE ' '.
        01  LINE-14.
            02  LINE-14-1  PICTURE X(36) VALUE
             '   NUMBER OF EMPLOYEES SUPERVISED - '.
            02  LINE-14-2   PICTURE X(06) VALUE ' '.
            02  LINE-14-3  PICTURE X(33) VALUE
                'YEAR ENTERED FOLLOW-UP PROGRAM - '.
            02  LINE-14-4  PICTURE X(02) VALUE ' '.
        01  LINE-15.
            02  LINE-15-1  PICTURE X(21) VALUE '   CURRENT ADDRESS - '.
            02  LINE-15-2   PICTURE X(55) VALUE ' '.
        01  LINE-16.
            02  LINE-16-1  PICTURE X(18) VALUE    '   PHONE NUMBER - '.
            02  LINE-16-2   PICTURE X(04) VALUE ' '.
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           02  LINE-16-3  PICTURE X(10) VALUE ' '.
           02  LINE-16-4  PICTURE X(44) VALUE
               '   WERE YOU ENROLLED IN A VOC/ED PROGRAM - '.
           02  LINE-16-5 PICTURE XXX VALUE ' '.
       01  LINE-17.
           02  LINE-17-1  PICTURE X(22) VALUE '   EMPLOYER ADDRESS - '.
           02  LINE-17-2   PICTURE X(55) VALUE ' '.
       01  LINE-18.
           02  LINE-18-1  PICTURE X(27) VALUE
            '   EMPLOYER PHONE NUMBER - '.
           02  LINE-18-2   PICTURE X(04) VALUE ' '.
           02  LINE-18-3  PICTURE X(05) VALUE ' '.
           02  LINE-18-4  PICTURE X(20) VALUE 'EMPLOYER NAME - '.
           02  LINE-18-5 PICTURE X(30) VALUE ' '.
       01  LINE-19.
           02  LINE-19-1  PICTURE X(64) VALUE
            '   WHICH COURSE DID YOU TAKE '.
       01  LINE-20.
           02  LINE-20-1  PICTURE X[illegible] VALUE  '    PROGRAM CODE - '.
           02  LINE-20-2   PICTURE [illegible] VALUE ' '.
           02  LINE-20-3  PICTURE X[illegible] VALUE ' '.
           02  LINE-20-4  PICTURE X(07) VALUE ' '.
           02  LINE-20-5 PICTURE X(24) VALUE '  NO. HOURS IN COURSE - '.
           02  LINE-20-6 PICTURE X(03) VALUE ' '.
       01  LINE-21.
           02  LINE-21-1  PICTURE X(18) VALUE  '    SCHOOL CODE - '.
           02  LINE-21-2   PICTURE X(06) VALUE ' '.
           02  LINE-21-3  PICTURE X(10) VALUE 'TEACHER - '.
           02  LINE-21-4  PICTURE X(20) VALUE ' '.
           02  LINE-21-5 PICTURE X(16) VALUE '  DATE EXITED - '.
           02  LINE-21-6 PICTURE X(04) VALUE ' '.
       01  LINE-22.
           02  LINE-22-1  PICTURE X(20) VALUE  '    REASON EXITED - '.
           02  LINE-22-2   PICTURE X(06) VALUE ' '.
           02  LINE-22-3  PICTURE X(18) VALUE 'HOURS COMPLETED - '.
           02  LINE-22-4  PICTURE X(04) VALUE ' '.
           02  LINE-22-5 PICTURE X(22) VALUE '  PERCENT COMPLETED - '.
           02  LINE-22-6 PICTURE X(03) VALUE ' '.
       01  LINE-23.
           02  LINE-23-1  PICTURE X(24) VALUE
            '   POST EXIT ACTIVITY - '.
           02  LINE-23-2   PICTURE X(07) VALUE ' '.
           02  LINE-23-3  PICTURE X(30) VALUE
                 'DATE YOU STARTED THE COURSE - '.
           02  LINE-23-4  PICTURE X(04) VALUE ' '.
       01  LINE-24.
           02  LINE-24-1  PICTURE X(14) VALUE  '    REMARKS - '.
           02  LINE-24-2   PICTURE X(55) VALUE ' '.
       01  LINE-25.
           02  LINE-25-1  PICTURE X(10) VALUE   ' '.
           02  LINE-25-2  PICTURE X(40) VALUE   ' '.
       01  LINE-26.
           02  LINE-26-1  PICTURE X(10) VALUE   ' '.
           02  LINE-26-2  PICTURE X(40) VALUE   ' '.
       01  LINE-27.
           02  LINE-27-1  PICTURE X(10) VALUE   ' '.
           02  LINE-27-2  PICTURE X(40) VALUE   ' '.
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PROCEDURE DIVISION.
START-PROGRAM.
    CALL 'SPIE'.
    OPEN INPUT INPUT-CARDS.
    READ INPUT-CARDS INTO REPORT-TYPE-FLAGS AT END DISPLAY
         ' NO CONTROL CARD ', STOP RUN.
FOLL-UP-STU-GEN.
    SORT SORT-DISC ASCENDING KEY
         INSTRUCTOR-2
                              STUDENT-NAME-2
         INPUT PROCEDURE PICK-F-U-STUDENTS
         OUTPUT PROCEDURE GEN-F-U-REPORT.
    STOP RUN.
PICK-F-U-STUDENTS SECTION.
    OPEN INPUT MAST-IN.
READ-LOOP-2.
    IF CNT-XXXX > 100 GO TO  SECT-END-2.
    READ MAST-IN INTO STUDENT-RECORD AT END GO TO SECT-END-2.
    IF TYPE-CODE-1 = '1' GO TO READ-LOOP-2.
    IF CRS-CNT-2 < 1 GO TO READ-LOOP-2.
    PERFORM WRITE-SPOT VARYING L FROM 1 BY 1 UNTIL
            L > CRS-CNT-2.
    GO TO READ-LOOP-2.
WRITE-SPOT.
    COMPUTE I = L + 4.
    MOVE RECORD-BLOCK (I) TO RECORD-BLOCK (5).
    MOVE STUDENT-RECORD TO SORT-FIELDS.
    ADD 1 TO  CNT-XXXX.
    IF RECORD-BLOCK (5) NOT = SPACES
      AND POST-EXIT-ACT-2 (1) NOT = 'HISC'
    RELEASE SORT-FIELDS.
SECT-END-2.
    CLOSE MAST-IN WITH LOCK.
SECT-RETURN-2.
    EXIT.
GEN-F-U-REPORT SECTION.
    OPEN OUTPUT PRINT-OUTS.
RETURN-LOOP-2.
    RETURN SORT-DISC   INTO STUDENT-RECORD AT END GO TO
            F-U-REPORT-DONE.
    PERFORM FORMAT-F-U-RPT.
    PERFORM WRITE-F-U-RPT.
    ADD 1 TO LINE-COUNT
    GO TO RETURN-LOOP-2.
FORMAT-F-U-RPT.
    MOVE S-ADD-2 TO LINE-26-2.
    MOVE ' ' TO LINE-9-4.
    IF EMPL-2 = 'Y' MOVE 'YES' TO LINE-9-4.
    IF EMPL-2 = 'N' MOVE 'NO ' TO LINE-9-4.
    MOVE OCC-2   TO LINE-10-2.
    MOVE JOB-TITLE-2 TO LINE-11-2.
    MOVE HRS-DAY-2   TO LINE-11-4.
    MOVE SALARY-2    TO LINE-11-6.
    MOVE SEX-2       TO LINE-12-2.
    MOVE RACE-2      TO LINE-12-4.
    MOVE NO-OF-EMPL-2  TO LINE-14-2.
    MOVE YEAR-OF-1ST-ENTRY TO LINE-14-4.
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           MOVE BIRTH-DATE-2       TO LINE-12-6.
           MOVE DATE-REC-2         TO LINF-8-4.
           MOVE S-ARC-2            TO LINE-16-2.
           MOVE S-PHN-2            TO LINF-16-3.
           MOVE E-ARC-2            TO LINE-18-2.
           MOVE E-PHN-2            TO LINE-18-3.
           MOVE POST-EXIT-ACT-2 (1) TO LINE-23-2.
           MOVE VCC-CRS-2       (1) TO LINE-20-2.
           MOVE HRS-CRS-2       (1) TO LINE-20-6.
           MOVE SCT-ATT-2       (1) TO LINE-21-2.
           MOVE VOC-TEACH-2     (1) TO LINE-21-4.
           MOVE DATE-EXIT-2     (1) TO LINE-21-6.
           MOVE ' ' TO LINE-16-5.
           IF VOC-Y-N-2 (1) = 'Y' MOVE 'YES' TO LINE-16-5.
           IF VOC-Y-N-2 (1) = 'N' MOVE 'NO ' TO LINE-16-5.
           MOVE HRS-COMPL-2     (1) TO LINE-22-4.
           MOVE PER-CEN-COM-2   (1) TO LINE-22-6.
           MOVE DATE-ENT-2      (1) TO LINE-23-4.
           MOVE REMARK-3            TO LINE-24-2.
           MOVE REASON-EXIT-2 (1) TO LINE-22-2.
           MOVE E-NAM-2              TO LINE-18-5.
           MOVE ID-NO-3              TO LINE-8-2.
           MOVE E-ADD-2              TO SQ-FIELD-A.
           MOVE E-CIT-2              TO SQ-FIELD-B.
           MOVE E-STA-2              TO SQ-FIELD-C.
           MOVE E-ZIP-2              TO SQ-FIELD-D.
           PERFORM SQUEEZE-STUFF.
           MOVE SQUEEZ-FIELDS TO LINE-17-2.
           MOVE L-NAME-3 TO SQ-FIELD-C.
           MOVE F-NAME-3 TO SQ-FIELD-A.
           MOVE M-I-3    TO SQ-FIELD-B.
           MOVE ' '      TO SQ-FIELD-D.
           PERFORM SQUEEZE-STUFF.
           MOVE SQUEEZ-FIELDS TO LINE-13-2.
           IF LINE-13-2 NOT = ' ' MOVE LINE-13-2 TO LINE-2-2, LINE-25-2.
           MOVE L-NAME-2 TO SQ-FIELD-C.
           MOVE F-NAME-2 TO SQ-FIELD-A.
           MOVE M-I-2    TO SQ-FIELD-B.
           MOVE ' '      TO SQ-FIELD-D.
           PERFORM SQUEEZE-STUFF.
           MOVE SQUEEZ-FIELDS TO LINE-9-2.
           IF LINE-13-2 = ' ' MOVE LINE-9-2 TO LINE-2-2, LINE-25-2.
           MOVE S-ADD-2 TO SQ-FIELD-A.
           MOVE S-CIT-2 TO SQ-FIELD-B.
           MOVE S-STA-2 TO SQ-FIELD-C.
           MOVE S-ZIP-2 TO SQ-FIELD-D.
           PERFORM SQUEEZE-STUFF.
           MOVE SQUEEZ-FIELDS TO LINE-15-2.
           MOVE S-CIT-2 TO SQ-FIELD-A.
           MOVE S-STA-2 TO SQ-FIELD-B.
           MOVE S-ZIP-2 TO SQ-FIELD-C.
           MOVE    ' '  TO SQ-FIELD-D.
           PERFORM SQUEEZE-STUFF.
           MOVE SQUEEZ-FIELDS TO LINE-27-2.
       WRITE-F-U-RPT.
           WRITE REPORT-OUT FROM LINE-1  AFTER POSITIONING 0 LINES.
           WRITE REPORT-OUT FROM LINE-2  AFTER POSITIONING 2 LINES.
```

```
           WRITE REPORT-OUT FROM LINE-3  AFTER POSITIONING 1 LINES.
           WRITE REPORT-OUT FROM LINE-4  AFTER POSITIONING 1 LINES.
           WRITE REPORT-OUT FROM LINE-5  AFTER POSITIONING 1 LINES.
           WRITE REPORT-OUT FROM LINE-6  AFTER POSITIONING 1 LINES.
           WRITE REPORT-OUT FROM LINE-7  AFTER POSITIONING 1 LINES.
           WRITE REPORT-OUT FROM LINE-8  AFTER POSITIONING 2 LINES.
           WRITE REPORT-OUT FROM LINE-9  AFTER POSITIONING 2 LINES.
           WRITE REPORT-OUT FROM LINE-10 AFTER POSITIONING 2 LINES.
           WRITE REPORT-OUT FROM LINE-11 AFTER POSITIONING 2 LINES.
           WRITE REPORT-OUT FROM LINE-12 AFTER POSITIONING 2 LINES.
           WRITE REPORT-OUT FROM LINE-13 AFTER POSITIONING 2 LINES.
           WRITE REPORT-OUT FROM LINE-14 AFTER POSITIONING 2 LINES.
           WRITE REPORT-OUT FROM LINE-15 AFTER POSITIONING 2 LINES.
           WRITE REPORT-OUT FROM LINE-16 AFTER POSITIONING 2 LINES.
           WRITE REPORT-OUT FROM LINE-17 AFTER POSITIONING 2 LINES.
           WRITE REPORT-OUT FROM LINE-18 AFTER POSITIONING 2 LINES.
           WRITE REPORT-OUT FROM LINE-19 AFTER POSITIONING 2 LINES.
           WRITE REPORT-OUT FROM LINE-20 AFTER POSITIONING 2 LINES.
           WRITE REPORT-OUT FROM LINE-21 AFTER POSITIONING 2 LINES.
           WRITE REPORT-OUT FROM LINE-22 AFTER POSITIONING 2 LINES.
           WRITE REPORT-OUT FROM LINE-23 AFTER POSITIONING 2 LINES.
           WRITE REPORT-OUT FROM LINE-24 AFTER POSITIONING 2 LINES.
           MOVE ' ' TO REPORT-OUT.
           WRITE REPORT-OUT AFTER POSITIONING 3 LINES.
           MOVE ' ' TO REPORT-OUT.
           WRITE REPORT-OUT AFTER POSITIONING 3 LINES.
           MOVE ' ' TO REPORT-OUT.
           WRITE REPORT-OUT AFTER POSITIONING 3 LINES.
           MOVE ' ' TO REPORT-OUT.
           WRITE REPORT-OUT AFTER POSITIONING 3 LINES.
           WRITE REPORT-OUT FROM LINE-25 AFTER POSITIONING  3 LINES.
           WRITE REPORT-OUT FROM LINE-26 AFTER POSITIONING  1 LINES.
           WRITE REPORT-OUT FROM LINE-27 AFTER POSITIONING  1 LINES.
       F-U-REPORT-DONE.
           CLOSE PRINT-OUTS.
       LOOP-F-U-RTN.
           EXIT.
       SQUEEZE-STUFF SECTION.
           PERFORM CNT-SQ-X VARYING I FROM 21 BY -1 UNTIL I < 1 OR
                   SQ-ZONE-I (I) NOT = ' '.
           PERFORM CNT-SQ-X VARYING J FROM 21 BY -1 UNTIL J < 1 OR
                   SQ-ZONE-J (J) NOT = ' '.
           PERFORM CNT-SQ-X VARYING K FROM 21 BY -1 UNTIL K < 1 OR
                   SQ-ZONE-K (K) NOT = ' '.
           PERFORM CNT-SQ-X VARYING L FROM 21 BY -1 UNTIL L < 1 OR
                   SQ-ZONE-L (L) NOT = ' '.
           IF I > 0 AND I < 20 ADD 2 TO I.
           MOVE ' ' TO SQ-ZONE-I (I).
           IF J > 0 PERFORM MOVE-J VARYING M FROM 1 BY 1 UNTIL M > J.
           ADD 1 TO I.
           MOVE ' ' TO SQ-ZONE-I (I).
           IF K > 0 PERFORM MOVE-K VARYING M FROM 1 BY 1 UNTIL M > K.
           ADD 1 TO I.
           MOVE ' ' TO SQ-ZONE-I (I).
           IF L > 0 PERFORM MOVE-L VARYING M FROM 1 BY 1 UNTIL M > L.
           ADD 1 TO I.
           PERFORM MOVE-B VARYING M FROM I BY 1 UNTIL M > 84.
```

```
           GO TO SQ-STUF-SECT-RTN.
       MOVE-B.
           MOVE ' ' TO SQ-ZONE-I (M).
       CNT-SQ-X.
           MOVE 0 TO M.
       MOVE-J.
           ADD 1 TO I.
           MOVE SQ-ZONE-J (M) TO SQ-ZONE-I (I).
       MOVE-K.
           ADD 1 TO I.
           MOVE SQ-ZONE-K (M) TO SQ-ZONE-I (I).
       MOVE-L.
           ADD 1 TO I.
           MOVE SQ-ZONE-L (M) TO SQ-ZONE-I (I).
       SQ-STUF-SECT-RTN.
           EXIT.
       STOPPING-SECTION SECTION.
           DISPLAY ' STOPPING SECTION '.
```

```
*STATISTICS*     SOURCE RECORDS =    642      DATA DIVISION STATEMENTS =    365
 OPTIONS IN EFFECT*     SIZE =    94208  BUF =    7882  LINECNT = 57  SPACE1, FLA
*OPTIONS IN EFFECT*     NODMAP, NOPMAP, NOCLIST,    SUPMAP, NOXREF,    LOAD, NODEC
*OPTIONS IN EFFECT*       ZWB
```

CARD	ERROR MESSAGE	
484	IKF4072I-W	EXIT FROM PERFORMED PROCEDURE ASSUMED BEFORE PROCEDURE-NA

OS/360 LOADER

OPTIONS USED - PRINT,MAP,NOLET,CALL,RES,NOTERM,SIZE=77824,NAME=**GO

NAME	TYPE	ADDR	NAME	TYPE	ADDR	NAME	TYPE	ADDR	NA
BRYANUP	SD	16010	ILBOSRTO*	SD	19650	ILBOSTPO*	SD	19A28	ILBOS
SPIE *	SD	1A158							

TOTAL LENGTH 46B0
ENTRY ADDRESS 16010

BRYAN PUBLIC SCHOOLS NON-VOCATIONAL FOLLOW-UP
SUMMARY PROGRAM

The purpose of this program is to generate a one page summary of the non-vocational follow-up student activity after leaving school. This is broken down by school and year of graduation.

To accomplish this the current master tape is read and each follow-up student record is analyzed. If the student is non-vocational then totals are collected by school and by year and activity. After the last student has been processed percentages are computed and the results are formatted (using the COBOL edit feature) and the report is printed.

The data card for this program is a date card with the date to be printed on the report in col. 1-8. The school year date is col. 9-17. Col. 18-19 contain the numbers which represent school year first to be reported. As an example a data card shown below would indicate that the report was run on June 2, 1972 for the school year as of January 1, 1972 and would include all students who entered the follow-up program in the years 1966, 1967, 1968, 1970, and 1971.

```
        8        17
06/02/72 01/01/72 66
```

COMPUTER PROGRAM FOR

PRINTING A SUMMARY

ON NON-VOCATIONAL STUDENTS

IN THE FOLLOW-UP PROGRAM

```
//JCRF   JOB (005  201-8,002,005,BH),'JCRF BHS NONVCC SUMY               JOB 106
***CLASS        D
***COPIES       3
***SETUP
// EXEC COBU
XXONESTEP EXEC PGM=ANSCOBOL,REGION=110K                                 00020000
***                                                                     00040000
***             JCL STATEMENTS FOR THE ANS COMPILER                     00060000
***                                                                     00080000
XXSY  T1     DD UNIT=SYSDA,SPACE=(TRK,(100,20))                         00100000
XXSYS T2     DD UNIT=SYSDA,SPACE=(TRK,(100,20))                         00120000
XXSY  JT3    DD UNIT=SYSDA,SPACE=(TRK,(100,20))                         00140000
XXSYSUT4     DD UNIT=SYSDA,SPACE=(TRK,(100,20))                         00160000
XXSYSPRT     DD SYSOUT=A                                                00180000
XXSYSPUNCH   DD SYSOUT=B                                                00200000
XXSYSLIN     DD UNIT=SYSDA,SPACE=(TRK,(100,20)),DISP=(MOD,DELETF),      00220000
XX              DCB=(BLKSIZE=2240,BUFNO=2),DSN=&&LOADSET                00240000
***                                                                     00260000
***             JCL STATEMENTS FOR THE LOADER                           00280000
***                                                                     00300000
XX           DD DDNAME=OBJECT        HEX DECKS FOR LOADER               00320000
XXSYSLIB     DD DSN=SYS1.COBLIB,DISP=SHR                                00340000
XX           DD DSN=SYS1.DPCLIB,DISP=SHR                                00360000
XXSYSLOUT    DD SYSOUT=A                                                00380000
***                                                                     00400000
***             DPC PROVIDED JCL STATEMENTS FOR USER PROGRAM            00420000
***                                                                     00440000
XXPRINTER    DD SYSOUT=A                                                00460000
XXREADER     DD DDNAME=SYSIN                                            00480000
XXSYSOUT     DD SYSOUT=A                                                00500000
XXPUNCH      DD SYSOUT=B                                                00520000
***                                                                     00540000
***             JCL STATEMENTS PROVIDED BY USER                         00560000
***                                                                     00580000
//SOURCE DD *
//MASTIN   DD UNIT=TAPE9,DISP=(OLD,KEEP),DSN=BHSMST,LABEL=(,SL),        X
//              VOL=SER=006039,DCB=(RECFM=FB,LRECL=650,BLKSIZE=6500)
//PRINTER DD SYSOUT=A
//SYSOUT DD SYSOUT=A
//SYSIN DD *
//
IEF236I ALLOC. FOR JCRF50   ONESTEP
IEF237I 171   ALLOCATED TO SYSUT1
IEF237I 171   ALLOCATED TO SYSUT2
IEF237I 131   ALLOCATED TO SYSUT3
IEF237I 135   ALLOCATED TO SYSUT4
IEF237I 603   ALLOCATED TO SYSPRT
IEF237I 631   ALLOCATED TO SYSPUNCH
IEF237I 135   ALLOCATED TO SYSLIN
IEF237I 130   ALLOCATED TO SYSLIB
IEF237I 390   ALLOCATED TO
IEF237I 60C   ALLOCATED TO SYSLOUT
IEF237I 60D   ALLOCATED TO PRINTER
IEF237I 654   ALLOCATED TO READER
IEF237I 60E   ALLOCATED TO SYSOUT
IEF237I 632   ALLOCATED TO PUNCH
IEF237I 653   ALLOCATED TO SOURCE
IEF237I 282   ALLOCATED TO MASTIN
IEF237I 60F   ALLOCATED TO PRINTER
IEF237I 610   ALLOCATED TO SYSOUT
IEF285I    SYS73051.T171732.RV000.JCRF50.R0000001         DELETED
```

```
IEF285I   VOL SER NOS= DUBL05.
IEF285I   SYS73051.T171732.RV000.JCRF50.R0000002        DELETED
IEF285I   VOL SER NOS= DUBL05.
IEF285I   SYS73051.T171732.RV000.JCRF50.R0000003        DELETED
IEF285I   VOL SER NOS= 555555.
IEF285I   SYS73051.T171732.RV000.JCRF50.R0000004        DELETED
IEF285I   VOL SER NOS= 888888.
IEF285I   SYS73051.T171732.RV000.JCRF50.R0000005        DELETED
IEF285I   VOL SER NOS=       .
IEF285I   SYS73051.T171732.RV000.JCRF50.R0000006        DELETED
IEF285I   VOL SER NOS=       .
IEF285I   SYS73051.T171732.RV000.JCRF50.LOADSET         DELETED
IEF285I   VOL SER NOS= 888888.
IEF285I   SYS1.COBLIB                                   KEPT
IEF285I   VOL SER NOS= SYSRES.
IEF285I   SYS1.DPCLIB                                   KEPT
IEF285I   VOL SER NOS= 444444.
IEF285I   SYS73051.T171732.RV000.JCRF50.R0000007        DELETED
IEF285I   VOL SER NOS=       .
IEF285I   SYS73051.T171732.RV000.JCRF50.R0000008        DELETED
IEF285I   VOL SER NOS=       .
IEF285I   SYS73051.T171732.RV000.JCRF50.R0000014        DELETED
IEF285I   VOL SER NOS=       .
IEF285I   SYS73051.T171732.RV000.JCRF50.R0000011        DELETED
IEF285I   VOL SER NOS=       .
IEF285I   BHSMST                                        KEPT
IEF285I   VOL SER NOS= 006039.
IEF280E K 282,006039,JCRF50,ONESTEP,BHSMST
TAM001I STEP /ONESTEP/ MAXIMUM CORE USED = 108K, EXECUTE TIME = 0.55
```

```
IDENTIFICATION DIVISION.
PROGRAM-ID. 'BRYANUP'.
AUTHOR.  JCRF.
DATE-WRITTEN. MARCH 1972.
INSTALLATION. TEXAS A & M UNIVERSITY.
ENVIRONMENT DIVISION.
CONFIGURATION SECTION.
SOURCE-COMPUTER. IBM-360-I65.
OBJECT-COMPUTER. IBM-360-I65.
INPUT-OUTPUT SECTION.
FILE-CONTROL.
    SELECT INPUT-CARDS ASSIGN TO UT-S-READER.
    SELECT PRINT-OUTS  ASSIGN TO UT-S-PRINTER.
    SELECT MAST-IN          ASSIGN TO UT-2400-S-MASTIN.
DATA DIVISION.
FILE SECTION.
FD  INPUT-CARDS RECORDING MODE IS F LABEL RECORDS ARE OMITTED
    DATA RECORD IS INPUT-RECORD.
01  INPUT-RECORD.
    02  IN-X-TEST PICTURE X OCCURS 80 TIMES.
FD  PRINT-OUTS RECORDING MODE F LABEL RECORDS ARE OMITTED
               DATA RECORD IS PRINT-RECORD, REPORT-OUT.
01  PRINT-RECORD PICTURE X(132).
01  REPORT-OUT PICTURE X(132).
FD  MAST-IN RECORDING MODE F LABEL RECORDS ARE STANDARD
      BLOCK CONTAINS 0 RECORDS RECORD CONTAINS 650 CHARACTERS
      DATA RECORD IS MAST-IN-REC.
01  MAST-IN-REC PICTURE X(650).
WORKING-STORAGE SECTION.
77  FIND-W-S  PICTURE X(60) VALUE 'BRYAN H S WORKING STORAGE '.
77  NO-READ       PICTURE  9(6) VALUE ZERO.
77  NO-WRITTEN    PICTURE  9(6) VALUE ZERO.
77  NO-CHANGES    PICTURE  9(6) VALUE ZERO.
77  NO-ADDS       PICTURE  9(6) VALUE ZERO.
77  I             PICTURE  S99 COMPUTATIONAL VALUE ZERO.
77  J             PICTURE  S99 COMPUTATIONAL VALUE ZERO.
77  K             PICTURE  S99 COMPUTATIONAL VALUE ZERO.
77  L             PICTURE  S99 COMPUTATIONAL VALUE ZERO.
77  M             PICTURE  S99 COMPUTATIONAL VALUE ZERO.
77  N             PICTURE  S99 COMPUTATIONAL VALUE ZERO.
77  A             PICTURE  S99 COMPUTATIONAL VALUE ZERO.
77  CHNG-EOF-FLG PICTURE 9 VALUE 0.
01  OLD-YR-F-U PICTURE XX VALUE ' '.
01  OLD-CAMPUS-CODE PICTURE XXX VALUE ' '.
01  CHANGE-CARDS.
    02  ID-NO-1                    PICTURE X(9).
    02  ID-NO-2 REDEFINES ID-NO-1 PICTURE X OCCURS 9 TIMES.
    02  CARD-TYPE-1.
        03  CARD-CODE-1            PICTURE X.
        03  CRD-CD-X REDEFINES CARD-CODE-1 PICTURE 9.
        03  CARD-CHNG-1            PICTURE X(69).
        03  COL-80-1               PICTURE X.
    02  CARD-TYPE-2 REDEFINES CARD-TYPE-1.
        03  CARD-CODE-2            PICTURE X.
```

```
            03  UPDATE-CODE-3                    PICTURE 99.
            03  UPDATE-CODE-5 REDEFINES UPDATE-CODE-3.
                04  UPDATE-CODE-1 PICTURE X OCCURS 2 TIMES.
            03  FIELD-VAL            PICTURE X(62).
            03  DATE-OF-UPDATE       PICTURE X(6).
            03  DAT-OF-UP REDEFINES DATE-OF-UPDATE PICTURE X
                          OCCURS 6 TIMES.
    01  STUDENT-RECORD.
        02  DELETE-CODE              PICTURE X.
        02  ID-NO-3                  PICTURE X(9).
        02  TYPE-CODE-1              PICTURE X.
        02  RECORD-TYPE-1.
            03  RECORD-BLOCK PICTURE X(69) OCCURS 9 TIMES.
        02  RECORD-TYPE-2 REDEFINES RECORD-TYPE-1.
            03  L-NAME-1             PICTURE X(12).
            03  F-NAME-1             PICTURE X(10).
            03  M-I-1                PICTURE X(01).
            03  EMPL-1               PICTURE X(01).
            03  OCC-1                PICTURE X(15).
            03  U-E-CODE-1           PICTURE X(07).
            03  JOB-TITLE-1          PICTURE X(13).
            03  HRS-DAY-1            PICTURE X(04).
            03  SALARY-1             PICTURE X(04).
            03  SEX-1                PICTURE X(01).
            03  RACE-1               PICTURE X(01).
            03  S-ADD-1              PICTURE X(21).
            03  S-CIT-1              PICTURE X(11).
            03  S-STA-1              PICTURE X(05).
            03  S-ZIP-1              PICTURE X(05).
            03  S-ARC-1              PICTURE X(03).
            03  S-PHN-1              PICTURE X(07).
            03  BIRTH-DATE-1         PICTURE X(06).
            03  DATE-REC-1           PICTURE X(06).
            03  CRS-CNT-1            PICTURE 9(02).
            03  FILLER               PICTURE X(03).
            03  P-ADD-1              PICTURE X(21).
            03  P-CIT-1              PICTURE X(11).
            03  P-STA-1              PICTURE X(05).
            03  P-ZIP-1              PICTURE X(05).
            03  P-ARC-1              PICTURE X(03).
            03  P-PHN-1              PICTURE X(07).
            03  REMARK-1             PICTURE X(17).
            03  E-ADD-1              PICTURE X(21).
            03  E-CIT-1              PICTURE X(11).
            03  E-STA-1              PICTURE X(05).
            03  E-ZIP-1              PICTURE X(05).
            03  E-ARC-1              PICTURE X(03).
            03  E-PHN-1              PICTURE X(07).
            03  E-NAM-1              PICTURE X(17).
            03  CRS-RECORDS OCCURS 5 TIMES.
                04  VOC-CRS-1        PICTURE X(04).
                04  O-E-COD-2        PICTURE X(07).
                04  HRS-CRS-1        PICTURE X(04).
                04  SCH-ATT-1        PICTURE X(03).
                04  GRADE-1          PICTURE X(02).
                04  VOC-TEACH-1      PICTURE X(17).
                04  DATE-ENT-1       PICTURE X(04).
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                04  DATE-EXIT-1      PICTURE X(04).
                04  REASON-EXIT-1    PICTURE X(04).
                04  REMARK-2         PICTURE X(20).
        02  RECORD-TYPE-3 REDEFINES RECORD-TYPE-1.
            03  L-NAME-2             PICTURE X(12).
            03  F-NAME-2             PICTURE X(10).
            03  M-I-2                PICTURE X(01).
            03  EMPL-2               PICTURE X(01).
            03  OCC-2                PICTURE X(15).
            03  O-E-CODE-2           PICTURE X(07).
            03  JOB-TITLE-2          PICTURE X(12).
            03  HRS-DAY-2            PICTURE X(05).
            03  SALARY-2             PICTURE X(04).
            03  SEX-2                PICTURE X(01).
            03  RACE-2               PICTURE X(01).
            03  L-NAME-3             PICTURE X(12).
            03  F-NAME-3             PICTURE X(10).
            03  M-I-3                PICTURE X(01).
            03  SALARY-3             PICTURE X(04).
            03  NO-OF-EMPL-2         PICTURE X(03).
            03  YEAR-OF-1ST-ENTRY    PICTURE X(02).
            03  REMARK-3             PICTURE X(35).
            03  CRS-CNT-2            PICTURE 9(02).
            03  S-ADD-2              PICTURE X(21).
            03  S-CIT-2              PICTURE X(11).
            03  S-STA-2              PICTURE X(05).
            03  S-ZIP-2              PICTURE X(05).
            03  S-ARC-2              PICTURE X(03).
            03  S-PHN-2              PICTURE X(07).
            03  BIRTH-DATE-2         PICTURE X(06).
            03  DATE-REC-2           PICTURE X(06).
            03  STEP-ENCR-2          PICTURE X(01).
            03  FILLER               PICTURE X(04).
            03  E-ADD-2              PICTURE X(21).
            03  E-CIT-2              PICTURE X(11).
            03  E-STA-2              PICTURE X(05).
            03  E-ZIP-2              PICTURE X(05).
            03  E-ARC-2              PICTURE X(03).
            03  E-PHN-2              PICTURE X(07).
            03  E-NAM-2              PICTURE X(17).
            03  CRS-RECORDS-2 OCCURS 5 TIMES.
                04  VOC-CRS-2        PICTURE X(04).
                04  O-E-COD-3        PICTURE X(07).
                04  HRS-CRS-2        PICTURE X(04).
                04  SCT-ATT-2        PICTURE X(03).
                04  GRADE-2          PICTURE X(02).
                04  VOC-TEACH-2      PICTURE X(17).
                04  DATE-EXIT-2      PICTURE X(04).
                04  REASON-EXIT-2    PICTURE X(04).
                04  VOC-Y-N-2        PICTURE X(01).
                04  HRS-COMPL-2      PICTURE X(04).
                04  PER-CEN-COM-2    PICTURE X(03).
                04  POST-EXIT-ACT-2  PICTURE X(04).
                04  DATE-ENT-2       PICTURE X(04).
                04  EXIT-2           PICTURE X(04).
                04  COMPL-2-Y-N PICTURE X.
                04  FILLER           PICTURE X(03).
```

```
01  REPORT-TYPE-FLAGS.
    02  DATE-OF-REPORT PICTURE X(8).
    02  TYPE-OF-REPORT PICTURE 9.
01  REDEF-FIELDS.
    02  REDEF-1 PICTURE XX.
    02  REDEF-2 REDEFINES REDEF-1 PICTURE 99.
    02  REDEF-3 REDEFINES REDEF-1 PICTURE X OCCURS 2 TIMES.
01  NAME-FIELDS.
    02  L-N-X.
        03  L-N-Y PICTURE X OCCURS 13 TIMES.
    02  F-N-X.
        03  F-N-X PICTURE X OCCURS 11 TIMES.
01  ERROR-FLAG PICTURE 9 VALUE ZERO.
01  OLD-CAMPUS-CD      PICTURE X(03) VALUE ' '.
01  OLD-VOC-CRS-CD     PICTURE X(04) VALUE ' '.
01  OLD-INSTR-NAME     PICTURE X(17) VALUE ' '.
01  SQUEEZ-FIELDS.
    02  SQ-FIELD-A     PICTURE X(21).
    02  SQ-FIELD-1 REDEFINES SQ-FIELD-A.
        03  SQ-ZONE-I PICTURE X OCCURS 21  TIMES.
    02  SQ-FIELD-B     PICTURE X(21).
    02  SQ-FIELD-2 REDEFINES SQ-FIELD-B.
        03  SQ-ZONE-J PICTURE X OCCURS 21  TIMES.
    02  SQ-FIELD-C     PICTURE X(21).
    02  SQ-FIELD-3 REDEFINES SQ-FIELD-C.
        03  SQ-ZONE-K PICTURE X OCCURS 21  TIMES.
    02  SQ-FIELD-D     PICTURE X(21).
    02  SQ-FIELD-4 REDEFINES SQ-FIELD-D.
        03  SQ-ZONE-L PICTURE X OCCURS 21  TIMES.
01  LINE-COUNT PICTURE 99 VALUE 13.
01  CAMPUS-LIST.
    02  C-LIST-1  PICTURE X(50) VALUE
          '000EDUCATIONAL SERVICE CENTER    '.
    02  C-LIST-2  PICTURE X(50) VALUE
          '002STEPHAN F AUSTIN              '.
    02  C-LIST-3  PICTURE X(50) VALUE
          '001BRYAN HIGH                    '.
    02  C-LIST-4  PICTURE X(50) VALUE
          '041ANSON JONES                   '.
    02  C-LIST-5  PICTURE X(50) VALUE
          '042LAMAR                         '.
    02  C-LIST-6  PICTURE X(50) VALUE
          '111NEAL                          '.
    02  C-LIST-7  PICTURE X(50) VALUE
          '101BONHAM                        '.
    02  C-LIST-8  PICTURE X(50) VALUE
          '102BOWIE                         '.
    02  C-LIST-9  PICTURE X(50) VALUE
          '103CARVER-KEMP                   '.
    02  C-LIST-10 PICTURE X(50) VALUE
          '104CROCKETT                      '.
    02  C-LIST-11 PICTURE X(50) VALUE
          '105FANNIN                        '.
    02  C-LIST-12 PICTURE X(50) VALUE
          '106MILAM                         '.
    02  C-LIST-13 PICTURE X(50) VALUE
          '107ROSS                          '.
```

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           02  C-LIST-14 PICTURE X(50) VALUE
               '108TRAVIS                                         '.
           02  C-LIST-15 PICTURE X(50) VALUE
               '109WASHINGTON CAMPUS                              '.
           02  C-LIST-16 PICTURE X(50) VALUE
               '110HENDERSON                                      '.
           02  C-LIST-17 PICTURE X(50) VALUE
               '200LIBRARY PROCESSING CENTER                      '.
           02  C-LIST-18 PICTURE X(50) VALUE
               '201WAREHOUSE                                      '.
       01  CAMPUS-LIST-2 REDEFINES CAMPUS-LIST.
           02  C-LST-X OCCURS 18 TIMES.
               03  CAMP-CODE PICTURE XXX.
               03  CAMP-NAME PICTURE X(47).
       01  VOC-PROGRAM.
           02  VOC-PROG-1    PICTURE X(50) VALUE
               'CCAGCOOPERATIVE AGRICULTURE                       '.
           02  VOC-PROG-2    PICTURE X(50) VALUE
               'VCAGVOCATIONAL AGRICULTURE                        '.
           02  VOC-PROG-3    PICTURE X(50) VALUE
               'AMECAUTO MECHANICS                                '.
           02  VOC-PROG-4    PICTURE X(50) VALUE
               'BLTDBUILDING TRADES                               '.
           02  VOC-PROG-5    PICTURE X(50) VALUE
               'CSMGCOSMETOLOGY                                   '.
           02  VOC-PROG-6    PICTURE X(50) VALUE
               'CVAECOORDINATED VOC. ACADEMIC TRAINING            '.
           02  VOC-PROG-7    PICTURE X(50) VALUE
               'DETRDISTRIBUTED EDUCATION TRAINING                '.
           02  VOC-PROG-8    PICTURE X(50) VALUE
               'DPTRDATA PROCESSING TRAINING                      '.
           02  VOC-PROG-9    PICTURE X(50) VALUE
               'ICTRINDUSTRIAL COOPERATIVE TRAINING               '.
           02  VOC-PROG-10   PICTURE X(50) VALUE
               'HECEHOME ECONOMIC COOPERATIVE EDUCATION           '.
           02  VOC-PROG-11   PICTURE X(50) VALUE
               'HOCTHEALTH OCCUPATIONS COOPERATIVE TRAINING       '.
           02  VOC-PROG-12   PICTURE X(50) VALUE
               'PELBPRE EMPLOYMENT LAB                            '.
           02  VOC-PROG-13   PICTURE X(50) VALUE
               'HMKTHOME MAKING TRAINING                          '.
           02  VOC-PROG-14   PICTURE X(50) VALUE
               'VONRVOCATIONAL NURSE TRAINING                     '.
           02  VOC-PROG-15   PICTURE X(50) VALUE
               'VCEDVOCATIONAL OFFICE EDUCATION                   '.
           02  VOC-PROG-16   PICTURE X(50) VALUE
               'BVAEBUILDING TRADES ACADEMIC EDUCATION            '.
           02  VOC-PROG-17   PICTURE X(50) VALUE
               'HVAEHORTICULTURE ACADEMIC EDUCATION               '.
           02  VOC-PROG-18   PICTURE X(50) VALUE
               'DVAEOFFICE DUPLICATION ACADEMIC EDUCATION         '.
       01  VOC-PROGRAM-1 REDEFINES VOC-PROGRAM.
           02  PROG-LIST OCCURS 18 TIMES.
               03  PROG-CODE-X PICTURE XXXX.
               03  PROG-NAME-X PICTURE X(46).
       01  NUMBERS-ARRAY.
           02  ACROSS-PAGE OCCURS 25 TIMES.
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                    03  DOWN-PAGE OCCURS 14 TIMES.
                        04  FOLK-COUNT PICTURE 9999.
                        04  PER-CENT   PICTURE 999V99.
                    03  TOT-SALARY PICTURE 99999V99.
           01  CODE-TEST-SPOT-1.
               02  FIRST-PART-1 PICTURE XX.
               02  PERIOD-1     PICTURE X.
               02  CODE-PART-1  PICTURE XX.
               02  JUNK-PART-1  PICTURE XX.
           01  CODE-TEST-SPOT-2.
               02  FIRST-PART-2 PICTURE XX.
               02  PERIOD-2     PICTURE X.
               02  CODE-PART-2  PICTURE XX.
               02  JUNK-PART-2  PICTURE XX.
           01  SALARY-DECODE.
               02  SAL-1 PICTURE X(6).
               02  SAL-2 REDEFINES SAL-1.
                   03  SAL-4 PICTURE X OCCURS 6 TIMES.
               02  SAL-5 REDEFINES SAL-1 PICTURE 9999V99.
               02  SAL-6 REDEFINES SAL-1.
                   03  SAL-7 PICTURE XXXX.
                   03  SAL-8 PICTURE XX.
           01  HEAD-1.
               02  HEAD-X-1  PICTURE X(25) VALUE
                   '1                       '.
               02  HEAD-X-2  PICTURE X(25) VALUE
                   '                   B R Y'.
               02  HEAD-X-3  PICTURE X(25) VALUE
                   ' A N  P U B L I C  S C H '.
               02  HEAD-X-4  PICTURE X(25) VALUE
                   'O O L S                 '.
           01  HEAD-2.
               02  HEAD-X-5  PICTURE X(25) VALUE
                   '0                       '.
               02  HEAD-X-6  PICTURE X(25) VALUE
                   '                   G R A'.
               02  HEAD-X-7  PICTURE X(25) VALUE
                   ' D U A T E S '.
               02  HEAD-X-8  PICTURE X(25) VALUE
                   ' '.
               02  HEAD-X-9  PICTURE X(25) VALUE
                   '                        '.
           01  HEAD-3.
               02  HEAD-X-10 PICTURE X(25) VALUE
                   '0                       '.
               02  HEAD-X-11 PICTURE X(25) VALUE
                   '                   F O L'.
               02  HEAD-X-12 PICTURE X(25) VALUE
                   ' L O W - U P  A S  O F  '.
               02  HEAD-X-13 PICTURE X(25) VALUE  ' '.
           01  HEAD-4.
               02  HEAD-4-4 PICTURE X(25) VALUE '                    '.
               02  HEAD-4-1 PICTURE X(25) VALUE '                 F O R'.
               02  HEAD-4-2 PICTURE X(25) VALUE '  S C H O O L  Y E A R '.
               02  HEAD-4-3 PICTURE X(25) VALUE '                    '.
               02  HEAD-4-5 PICTURE X(25) VALUE '                    '.
           01  HEAD-5.
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           02  HEAD-5-1 PICTURE X(25) VALUE '                    '.
           02  HEAD-5-2 PICTURE X(25) VALUE '           ANSON    '.
           02  HEAD-5-3 PICTURE X(25) VALUE '      LAMAR          '.
           02  HEAD-5-4 PICTURE X(25) VALUE 'STEPHEN F.        BRY'.
           02  HEAD-5-5 PICTURE X(25) VALUE 'AN          TOTALS   '.
       01  HEAD-6.
           02  HEAD-6-5 PICTURE X(25) VALUE '                    '.
           02  HEAD-6-1 PICTURE X(25) VALUE '           JONES    '.
           02  HEAD-6-2 PICTURE X(25) VALUE '      SCHOOL         '.
           02  HEAD-6-3 PICTURE X(25) VALUE 'AUSTIN            HIG'.
           02  HEAD-6-4 PICTURE X(25) VALUE 'H                   '.
       01  HEAD-7.
           02  HEAD-7-5 PICTURE X(25) VALUE '                    '.
           02  HEAD-7-1 PICTURE X(25) VALUE '           SCHOOL   '.
           02  HEAD-7-2 PICTURE X(25) VALUE '                    '.
           02  HEAD-7-3 PICTURE X(25) VALUE 'HIGH SCHOOL       SCH'.
           02  HEAD-7-4 PICTURE X(25) VALUE 'OOL                 '.
       01  HEAD-8.
           02  HEAD-8-1 PICTURE X(25) VALUE '  SCHOOL YEAR (END YEAR) '.
           02  HEAD-8-2 PICTURE X(7) VALUE ' '.
           02  HEAD-8-3.
               03  HEAD-8-31 OCCURS 25 TIMES.
                   04  HEAD-8-32 PICTURE ZZZ9.
       01  CODED-CARD.
           02  DATE-OF-RUN PICTURE X(8).
           02  SCHOOL-YEAR-AS-OF PICTURE X(8).
           02  FIRST-REPORT-YR PICTURE 99.
       01  DETAIL-LINE-1-X.
           02  CODE-PLACE-X PICTURE X(32).
           02  NUM-LINES-X.
             03  NUM-VALS-1-X OCCURS 25 TIMES.
                 04  NUM-VALS-X PICTURE Z(4).
       01  DETAIL-LINE-2-X.
           02  CODE-PLACE-Y PICTURE X(32).
           02  NUM-LINES-Y.
             03  NUM-VALS-1-Y OCCURS 25 TIMES.
                 04  NUM-VALS-Y PICTURE ZZZZ.
       01  DETAIL-LINES-3-X.
           02  CODE-PLACE-Z PICTURE X(18).
       01  DETAIL-LINES-4-X.
           02  CODE-PLACE-W PICTURE X(32).
           02  NUM-LINES-W.
             03  NUM-VALS-1-W OCCURS 25 TIMES.
                 04  NUM-VALS-W PICTURE ZZZZ.
       01  SIDE-MARGINS.
           02  MARGIN-PICTURES.
               03  MAR-1  PICTURE X(34) VALUE
                   ' NUMBER OF GRADUATES               '.
               03  MAR-2  PICTURE X(34) VALUE
                   ' CONTINUED FORMAL EDUCATION  NO. '.
               03  MAR-3  PICTURE X(34) VALUE
                   '     FULL TIME               0/0 '.
               03  MAR-4  PICTURE X(34) VALUE
                   ' CONTINUED FORMAL EDUCATION  NO. '.
               03  MAR-5  PICTURE X(34) VALUE
                   '     PART TIME               0/0 '.
               03  MAR-6  PICTURE X(34) VALUE
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                ' COMPLETED REQUIREMENTS FOR  NO. '.
           03  MAR-7  PICTURE X(34) VALUE
                '     GRADUATION/DEGREE       0/0 '.
           03  MAR-8  PICTURE X(34) VALUE
                ' CONTINUED OTHER TRAINING    NO. '.
           03  MAR-9  PICTURE X(34) VALUE
                '     FULL TIME               0/0 '.
           03  MAR-10 PICTURE X(34) VALUE
                ' CONTINUED OTHER TRAINING    NO. '.
           03  MAR-11 PICTURE X(34) VALUE
                '     PART TIME               0/0 '.
           03  MAR-12 PICTURE X(34) VALUE
                ' COMPLETED REQUIREMENTS      NO. '.
           03  MAR-13 PICTURE X(34) VALUE
                '     FOR OTHER TRAINING      0/0 '.
           03  MAR-14 PICTURE X(34) VALUE
                ' ENTERED ARMED FORCES        NO. '.
           03  MAR-15 PICTURE X(34) VALUE
                '                             0/0 '.
           03  MAR-16 PICTURE X(34) VALUE
                ' EMPLOYED FULL TIME          NO. '.
           03  MAR-17 PICTURE X(34) VALUE
                '                             0/0 '.
           03  MAR-18 PICTURE X(34) VALUE
                ' EMPLOYED PART TIME          NO. '.
           03  MAR-19 PICTURE X(34) VALUE
                '                             0/0 '.
           03  MAR-20 PICTURE X(34) VALUE
                ' UNEMPLOYED                  NO. '.
           03  MAR-21 PICTURE X(34) VALUE
                '                             0/0 '.
           03  MAR-22 PICTURE X(34) VALUE
                ' DROP OUTS                   NO. '.
           03  MAR-23 PICTURE X(34) VALUE
                '   '.
          03  MAR-24 PICTURE X(34) VALUE
                ' TRANSFERS                   NO. '.
          03  MAR-25 PICTURE X(34) VALUE
                '   '.
          03  MAR-26 PICTURE X(34) VALUE
                ' TOTAL                           '.
       02  MARGIN-X REDEFINES MARGIN-PICTURES.
           03  MARGIN-Y OCCURS 26 TIMES PICTURE X(34).
   01  HRS-CK-LIST.
       02  HRS-CK-LS-1 PICTURE X(5).
       02  HRS-CK-LS-2 REDEFINES HRS-CK-LS-1 PICTURE 9(5).
       02  HRS-CK-LS-3 REDEFINES HRS-CK-LS-1.
           03  HRS-CK-LS-4 PICTURE X OCCURS 5 TIMES.
   01  XXX PICTURE 99.
   PROCEDURE DIVISION.
   START-PROGRAM.
       CALL 'SPIE'.
       OPEN INPUT INPUT-CARDS.
       READ INPUT-CARDS INTO CODED-CARD        AT END
       MOVE 'NODATE  NODATE  66' TO CODED-CARD.
       CLOSE INPUT-CARDS.
       MOVE DATE-OF-RUN TO HEAD-X-13.
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           MOVE SCHOOL-YEAR-AS-OF TO HEAD-4-3.
           OPEN OUTPUT PRINT-OUTS.
           OPEN INPUT MAST-IN.
           MOVE ' ' TO DETAIL-LINE-2-X.
           MOVE ' ' TO DETAIL-LINE-1-X.
           MOVE ' ' TO DETAIL-LINES-4-X.
           PERFORM ZRO-ARRAY VARYING I FROM 1 BY 1 UNTIL I > 25.
       BIG-LOOP.
           READ MAST-IN INTO STUDENT-RECORD AT END GO TO LAST-IN.
           IF TYPE-CODE-1 = '1' GO TO BIG-LOOP.
           PERFORM COUNTS-CRS VARYING L FROM 1 BY 1 UNTIL L > CRS-CNT-2.
           GO TO BIG-LOOP.
       ZRO-ARRAY.
           PERFORM ZRO-ARR-2 VARYING L FROM 1 BY 1 UNTIL L > 14.
           MOVE I TO I.
       ZRO-ARR-2.
           MOVE ZERO TO FOLK-COUNT (I, L).
           MOVE ZERO TO PER-CENT   (I, L).
       COUNTS-CRS SECTION.
           COMPUTE I = L.
           MOVE ZERO TO J.
           COMPUTE A = L + 4.
           IF RECORD-BLOCK (A) = SPACES GO TO CNT-SECT-RTN.
           IF VOC-Y-N-2 (I) = 'Y' GO TO CNT-SECT-RTN.
           MOVE YEAR-OF-1ST-ENTRY TO REDEF-1.
           IF REDEF-3 (1) > '9' MOVE '0' TO REDEF-3 (1).
           IF REDEF-3 (1) < '0' MOVE '0' TO REDEF-3 (1).
           IF REDEF-3 (2) > '9' MOVE '0' TO REDEF-3 (2).
           IF REDEF-3 (2) < '0' MOVE '0' TO REDEF-3 (2).
           COMPUTE J = REDEF-2 - FIRST-REPORT-YR + 1.
           IF J < 1 GO TO CNT-SECT-RTN.
           IF J > 5 GO TO CNT-SECT-RTN.
           MOVE 0 TO N.
           IF SCT-ATT-2 (I) = '041' MOVE 1 TO N.
           IF SCT-ATT-2 (I) = '042' MOVE 2 TO N.
           IF SCT-ATT-2 (I) = '002' MOVE 3 TO N.
           IF SCT-ATT-2 (I) = '001' MOVE 4 TO N.
           IF N < 1 GO TO CNT-SECT-RTN.
           IF N > 4 GO TO CNT-SECT-RTN.
           COMPUTE M = J + (N - 1) * 5.
           COMPUTE N = J + 20.
           IF REASON-EXIT-2 (I) = 'DRCT' GO TO DROP-OUT.
           IF REASON-EXIT-2 (I) = 'TRFN' GO TO TRANSFER.
           IF REASON-EXIT-2 (I) = 'TRFR' GO TO TRANSFER.
                           ADD 1 TO FOLK-COUNT (M, 1).
                           ADD 1 TO FOLK-COUNT (N, 1).
           IF POST-EXIT-ACT-2 (I) = 'HISC'  GO TO EDUC-CONT.
           IF POST-EXIT-ACT-2 (I) = 'COL2'  GO TO EDUC-CONT.
           IF POST-EXIT-ACT-2 (I) = 'COL4'  GO TO EDUC-CONT.
           IF POST-EXIT-ACT-2 (I) = 'VOTC'  GO TO VOC-TRAIN.
           IF POST-EXIT-ACT-2 (I) = 'ENAF'  GO TO ARMED-FORCES.
           IF POST-EXIT-ACT-2 (I) = 'MARD'  GO TO MARRIED.
           IF POST-EXIT-ACT-2 (I) = 'UNEM'  GO TO UNEMPLOYED
           IF POST-EXIT-ACT-2 (I) = 'DROT'  GO TO DROP-OUT.
           IF POST-EXIT-ACT-2 (I) = 'WORK'  GO TO WORKING.
       UNEMPLOYED.
           ADD 1 TO FOLK-COUNT (M, 11).
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               ADD 1 TO FOLK-COUNT (N, 11).
               GO TO CNT-SECT-RTN.
           TRANSFER.
               ADD 1 TO FOLK-CCUNT (M, 13).
               ADD 1 TO FOLK-CCUNT (N, 13).
               GO TO CNT-SECT-RTN.
           DROP-OUT.
               ADD 1 TO FOLK-CCUNT (M, 12).
               ADD 1 TO FOLK-COUNT (N, 12).
               GO TO CNT-SECT-RTN.
           COMPLETE-EDUC.
               ADD 1 TO FOLK-CCUNT (M, 4).
               ADD 1 TO FOLK-COUNT (N, 4).
               GO TO CNT-SECT-RTN.
           EDUC-CONT.
               IF COMPL-2-Y-N (I) = 'Y' GO TO COMPLETE-EDUC.
               MOVE HRS-DAY-2 TO HRS-CK-LIST.
               IF HRS-DAY-2 NOT = '08.00' GO TO PART-TIME-SCH.
               ADD 1 TO FOLK-CCUNT (M, 2).
               ADD 1 TO FOLK-CCUNT (N, 2).
               GO TO CNT-SECT-RTN.
           PART-TIME-SCH.
               ADD 1 TO FOLK-CCUNT (M, 3).
               ADD 1 TO FOLK-COUNT (N, 3).
               GO TO EMPL-PART-TIME.
           CK-HRS-LIST.
               IF HRS-CK-LS-4 (XXX) < '0' MOVE '0' TO HRS-CK-LS-4 (XXX).
               IF HRS-CK-LS-4 (XXX) > '9' MOVE '0' TO HRS-CK-LS-4 (XXX).
           ARMED-FORCES.
               ADD 1 TO FOLK-CCUNT (M, 8).
               ADD 1 TO FOLK-CCUNT (N, 8).
               GO TO CNT-SECT-RTN.
           MARRIED.
               MOVE HRS-DAY-2 TO HRS-CK-LIST.
               PERFORM CK-HRS-LIST VARYING XXX FROM 1 BY 1 UNTIL XXX > 5.
               IF HRS-CK-LS-2 > 0 GO TO EMPL-PART-TIME.
               GO TO UNEMPLOYED.
           WORKING.
               MOVE HRS-DAY-2 TO HRS-CK-LIST.
               PERFORM CK-HRS-LIST VARYING XXX FROM 1 BY 1 UNTIL XXX > 5.
               IF HRS-CK-LS-2  < 8000 GO TO EMPL-PART-TIME.
               ADD 1 TO FOLK-COUNT (M, 9).
               ADD 1 TO FOLK-CCUNT (N, 9).
               GO TO CNT-SECT-RTN.
           EMPL-PART-TIME.
               ADD 1 TO FOLK-CCUNT (M, 10).
               ADD 1 TO FOLK-COUNT (N, 10).
               GO TO CNT-SECT-RTN.
           COMPLETE-VOC-TR.
               ADD 1 TO FOLK-CCUNT (M, 7).
               ADD 1 TO FOLK-CCUNT (N, 7).
               GO TO CNT-SECT-RTN.
           VOC-TRAIN.
               IF COMPL-2-Y-N (I) = 'Y' GO TO COMPLETE-VOC-TR.
               MOVE HRS-DAY-2 TO HRS-CK-LIST.
               IF HRS-DAY-2 NOT = '08.00' GO TO PART-TIME-VOC-TR.
               ADD 1 TO FOLK-CCUNT (M, 5).
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           ADD 1 TO FOLK-CCUNT (N, 5).
           GO TO CNT-SECT-RTN.
       PART-TIME-VCC-TR.
           ADD 1 TO FOLK-CCUNT (M, 6).
           ADD 1 TO FOLK-CCUNT (N, 6).
           GO TO CNT-SECT-RTN.
       SUM-SUM-1.
           PERFORM SUM-SUM-2 VARYING L FROM 1 BY 1 UNTIL L > 25.
       SUM-SUM-2.
           ADD FOLK-CCUNT (L, 1) TO FOLK-CCUNT (L, 14).
           ADD FOLK-CCUNT (L, 13) TO FOLK-COUNT (L, 14).
           ADD FOLK-COUNT (L, 12) TO FOLK-COUNT (L, 14).
       PER-CENT-1.
           PERFORM PER-CENT-2 VARYING L FROM 1 BY 1 UNTIL L > 25.
       PER-CENT-2.
           IF FOLK-CCUNT (L, 1) NOT < 1 COMPUTE PER-CENT (L, K) =
               (FOLK-COUNT (L, K) * 100) / FOLK-COUNT (L, 1).
       CNT-SECT-RTN.
           EXIT.
       RATIO-SPOT SECTION.
       LAST-IN.
           CLOSE MAST-IN.
           PERFORM SUM-SUM-1.
           PERFORM PER-CENT-1 VARYING K FROM 2 BY 1 UNTIL K > 11.
           PERFORM OTHER-STUF VARYING L FROM 1 BY 1 UNTIL L > 5.
           PERFORM HEADING-PRT.
           PERFORM FIRST-TWO-LINES.
           PERFORM PRNT-LINES VARYING L FROM 2 BY 1 UNTIL L > 13.
           PERFORM LAST-LINES.
           MOVE ' ' TO REPORT-OUT.
           WRITE REPORT-OUT              AFTER POSITIONING 0 LINES.
           CLOSE PRINT-OUTS.
           STOP RUN.
       OTHER-STUF.
           COMPUTE I = L + 5.
           COMPUTE J = L + 10.
           COMPUTE K = L + 15.
           COMPUTE M = L + 20.
           MOVE FIRST-REPORT-YR TO HEAD-8-32 (L).
           MOVE FIRST-REPORT-YR TO HEAD-8-32 (I).
           MOVE FIRST-REPORT-YR TO HEAD-8-32 (J).
           MOVE FIRST-REPORT-YR TO HEAD-8-32 (K).
           MOVE FIRST-REPORT-YR TO HEAD-8-32 (M).
           ADD 1 TC FIRST-REPORT-YR.
       FIRST-TWO-LINES.
           MOVE MAR-1 TO CODE-PLACE-W.
           MOVE 1 TO L.
           PERFORM MOVE-VALS VARYING I FROM 1 BY 1 UNTIL I > 25.
           WRITE REPORT-OUT FROM DETAIL-LINES-4-X AFTER POSITIONING 2
                LINES.
       MOVE-PERCT.
           MOVE PER-CENT (I, L) TO NUM-VALS-Y (I).
       MOVE-VALS.
           MOVE FOLK-COUNT (I, L) TC NUM-VALS-W (I).
       PRNT-LINES.
           PERFORM MOVE-VALS VARYING I FROM 1 BY 1 UNTIL I > 25.
           PERFORM MOVE-PERCT VARYING I FROM 1 BY 1 UNTIL I > 25.
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           COMPUTE J = L * 2 - 2.
           COMPUTE K = J + 1.
           MOVE MARGIN-Y (J) TO CODE-PLACE-W.
           MOVE MARGIN-Y (K) TO CODE-PLACE-Y.
           WRITE REPORT-OUT FROM DETAIL-LINES-4-X AFTER POSITIONING 2
                           LINES.
           WRITE REPORT-OUT FROM DETAIL-LINE-2-X AFTER POSITIONING 1
                           LINES.
       LAST-LINES.
           MOVE MAR-26 TO CODE-PLACE-W.
           MOVE 14 TO L.
           PERFORM MOVE-VALS VARYING I FROM 1 BY 1 UNTIL I > 25.
           WRITE REPORT-OUT FROM DETAIL-LINES-4-X AFTER POSITIONING 2
                           LINES.
       HEADING-PRT.
            WRITE REPORT-OUT FROM HEAD-1  AFTER POSITIONING 0 LINES.
            WRITE REPORT-OUT FROM HEAD-2  AFTER POSITIONING 2 LINES.
            WRITE REPORT-OUT FROM HEAD-3  AFTER POSITIONING 2 LINES.
            WRITE REPORT-OUT FROM HEAD-4  AFTER POSITIONING 2 LINES.
            WRITE REPORT-OUT FROM HEAD-5  AFTER POSITIONING 2 LINES.
            WRITE REPORT-OUT FROM HEAD-6  AFTER POSITIONING 1 LINES.
            WRITE REPORT-OUT FROM HEAD-7  AFTER POSITIONING 1 LINES.
            WRITE REPORT-OUT FROM HEAD-8  AFTER POSITIONING 2 LINES.
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*STATISTICS*      SOURCE RECORDS =   647     DATA DIVISION STATEMENTS =   349     PROCEDURE DIVISION STATEMENTS =   200
*OPTIONS IN EFFECT*     SIZE =   94208  BUF =    7882  LINECNT = 57  SPACE1, FLAGW,   SEQ,   SOURCE
*OPTIONS IN EFFECT*     NODMAP, NOPMAP, NOCLIST,   SUPMAP, NOXREF,   LOAD, NODECK, APOST, NOTRUNC, NOLIB, NOVERB
*OPTIONS IN EFFECT*       ZWB
```

CARD	ERROR MESSAGE	
538	IKF4072I-W	EXIT FROM PERFORMED PROCEDURE ASSUMED BEFORE PROCEDURE-NAME .
583	IKF4072I-W	EXIT FROM PERFORMED PROCEDURE ASSUMED BEFORE PROCEDURE-NAME .

OS/360 LG P

OPTIONS USED - PRINT,MAP,NOLET,CALL,RES,NOTERM,SIZE=77824,NAME=**GO

NAME	TYPE	ADDR	NAME	TYPE	ADDR	NAME	TYPE	ADDR	NAME	TYPE	ADDR	NAME	TYPE	ADDR
BRYANUP	SD	1D810	ILBOSTPO*	SD	21E08	ILBOSTP1*	LR	21E1E	SPIE *	SD	21F40			

TOTAL LENGTH 4B98
ENTRY ADDRESS 1D810

BRYAN PUBLIC SCHOOLS

GRADUATES

FOLLOW-UP AS OF 01/26/73

FOR SCHOOL YEAR 01/26/73

		ANSON JONES SCHOOL					LAMAR SCHOOL					STEPHEN F. AUSTIN HIGH SCHOOL					BRYAN HIGH SCHOOL					TOTALS				
SCHOOL YEAR (END YEAR)		68	69	70	71	72	68	69	70	71	72	68	69	70	71	72	68	69	70	71	72	68	69	70	71	72
NUMBER OF GRADUATES					1	1						1			4	7				1	154	1			6	162
CONTINUED FORMAL EDUCATION FULL TIME	NO.																				4					4
	0/0																				2					2
CONTINUED FORMAL EDUCATION PART TIME	NO.				1										2						18				3	18
	0/0				100										50						11				50	11
COMPLETED REQUIREMENTS FOR GRADUATION/DEGREE	NO.																									
	0/0																									
CONTINUED OTHER TRAINING FULL TIME	NO.																									
	0/0																									
CONTINUED OTHER TRAINING PART TIME	NO.																									
	0/0																									
COMPLETED REQUIREMENTS FOR OTHER TRAINING	NO.																									
	0/0																									
ENTERED ARMED FORCES	NO.																				1					1
	0/0																									
EMPLOYED FULL TIME	NO.																				17					17
	0/0																				11					10
EMPLOYED PART TIME	NO.				1	1									2						34				3	35
	0/0				100	100									50						22				50	21
UNEMPLOYED	NO.											1			2	7				1	98	1			3	105
	0/0											100			50	100				100	63	100			50	64
DROP OUTS	NO.																				32					32
TRANSFERS	NO.																				31					31
TOTAL					1	1						1			4	7				1	217	1			6	225